

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060719\
 Data File : VW010723.D
 Acq On : 07 Jun 2019 10:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:24:34 PM

Quant Time: Jun 08 04:09:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138955	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
35) Dibromofluoromethane	7.88	113	113018	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.32	98	477528	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	12.62	95	172036	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	113994	47.739	ug/l 97
3) Chloromethane	2.21	50	171350	48.774	ug/l 100
4) Vinyl Chloride	2.36	62	159324	49.086	ug/l 97
5) Bromomethane	2.76	94	86413	48.480	ug/l 95
6) Chloroethane	2.91	64	97068	49.821	ug/l 99
7) Trichlorofluoromethane	3.25	101	220197	52.261	ug/l 98
8) Diethyl Ether	3.68	74	70710	46.960	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135706	52.387	ug/l 100
10) Methyl Iodide	4.27	142	129971	48.830	ug/l 98
11) Tert butyl alcohol	5.17	59	57070	230.009	ug/l 99
12) 1,1-Dichloroethene	4.03	96	129331	51.756	ug/l 100
13) Acrolein	3.89	56	29679	292.720	ug/l 99
14) Allyl chloride	4.67	41	293195	53.213	ug/l 99
15) Acrylonitrile	5.37	53	161060	220.174	ug/l 100
16) Acetone	4.12	43	206726	253.318	ug/l 97
17) Carbon Disulfide	4.37	76	410865	51.795	ug/l 99
18) Methyl Acetate	4.67	43	74231	42.256	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	331735	46.029	ug/l 99
20) Methylene Chloride	4.91	84	151247	52.831	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	145361	51.242	ug/l 97
22) Diisopropyl ether	6.31	45	556529	50.452	ug/l 99
23) Vinyl Acetate	6.25	43	1611919	242.137	ug/l 100
24) 1,1-Dichloroethane	6.21	63	286794	51.880	ug/l 98
25) 2-Butanone	7.17	43	263126	232.526	ug/l 99
26) 2,2-Dichloropropane	7.17	77	253844	56.431	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	158727	50.844	ug/l 98
28) Bromochloromethane	7.51	49	121681	49.323	ug/l 98
29) Tetrahydrofuran	7.52	42	149640	210.237	ug/l 99
30) Chloroform	7.67	83	261043	51.627	ug/l 98
31) Cyclohexane	7.95	56	304672	49.580	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	235448	53.307	ug/l 100
36) 1,1-Dichloropropene	8.08	75	225788	52.411	ug/l 100
37) Ethyl Acetate	7.25	43	107047	44.841	ug/l 99
38) Carbon Tetrachloride	8.07	117	201882	54.285	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285140	52.066	ug/l	99
40) Benzene	8.32	78	598928	50.962	ug/l	98
41) Methacrylonitrile	7.48	41	64527	45.474	ug/l	99
42) 1,2-Dichloroethane	8.40	62	182897	49.034	ug/l	99
43) Isopropyl Acetate	8.42	43	206306	44.732	ug/l	99
44) Trichloroethene	9.09	130	149896	51.705	ug/l	99
45) 1,2-Dichloropropane	9.37	63	157476	50.618	ug/l	98
46) Dibromomethane	9.46	93	68475	47.387	ug/l	99
47) Bromodichloromethane	9.65	83	191539	51.136	ug/l	98
48) Methyl methacrylate	9.43	41	107141	48.182	ug/l	95
49) 1,4-Dioxane	9.45	88	19930	882.173	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	519282	220.394	ug/l	99
52) Toluene	10.39	92	372556	51.522	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	200676	50.581	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241934	51.823	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97855	47.008	ug/l	99
56) Ethyl methacrylate	10.65	69	148059	46.223	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185806	47.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	384874	229.401	ug/l	100
59) 2-Hexanone	10.97	43	389436	228.697	ug/l	99
60) Dibromochloromethane	11.13	129	114048	49.423	ug/l	99
61) 1,2-Dibromoethane	11.24	107	92442	46.870	ug/l	100
64) Tetrachloroethene	10.86	164	123118	50.101	ug/l	99
65) Chlorobenzene	11.66	112	369488	50.766	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	130693	51.873	ug/l	100
67) Ethyl Benzene	11.73	91	732854	52.393	ug/l	98
68) m/p-Xylenes	11.84	106	521825	104.215	ug/l	99
69) o-Xylene	12.16	106	246862	51.983	ug/l	99
70) Styrene	12.18	104	425697	51.602	ug/l	99
71) Bromoform	12.35	173	61081	46.876	ug/l #	98
73) Isopropylbenzene	12.47	105	693725	53.564	ug/l	99
74) N-amyl acetate	12.27	43	198224	47.358	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	113234	45.926	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	84877m	46.897	ug/l	
77) Bromobenzene	12.75	156	145420	51.439	ug/l	99
78) n-propylbenzene	12.80	91	842373	53.941	ug/l	100
79) 2-Chlorotoluene	12.90	91	473647	53.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	568171	53.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37935	48.173	ug/l	99
82) 4-Chlorotoluene	12.99	91	493732	53.625	ug/l	99
83) tert-Butylbenzene	13.21	119	475548	52.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	564551	52.923	ug/l	100
85) sec-Butylbenzene	13.38	105	701470	53.552	ug/l	100
86) p-Isopropyltoluene	13.50	119	629497	53.740	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	283729	52.043	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	276290	51.119	ug/l	99
89) n-Butylbenzene	13.83	91	642687	54.990	ug/l	100
90) Hexachloroethane	14.10	117	117369	55.950	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	249237	50.835	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19907	47.018	ug/l	95

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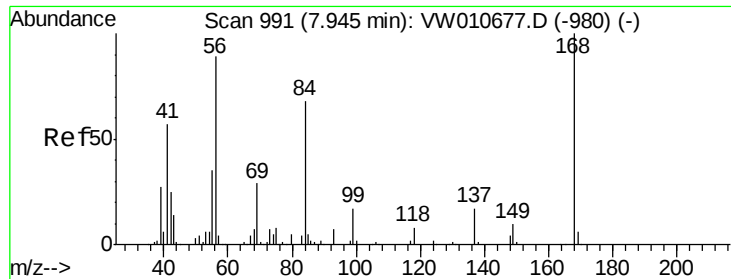
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	183786	53.418	ug/l	100
94) Hexachlorobutadiene	15.24	225	116507	53.955	ug/l	99
95) Naphthalene	15.37	128	306757	49.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153766	52.552	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 258396

Ion Ratio Lower Upper

168 100

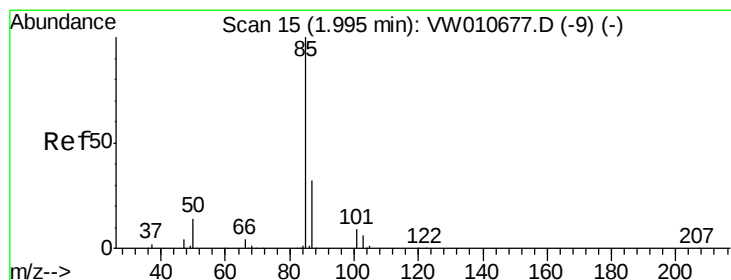
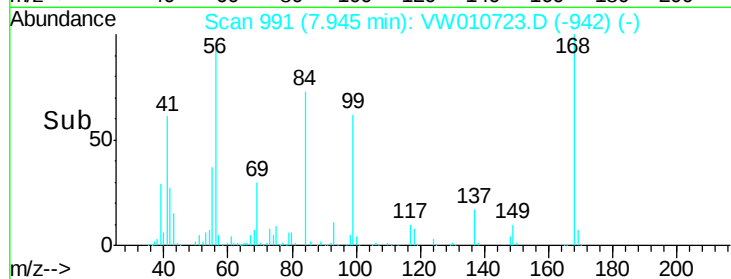
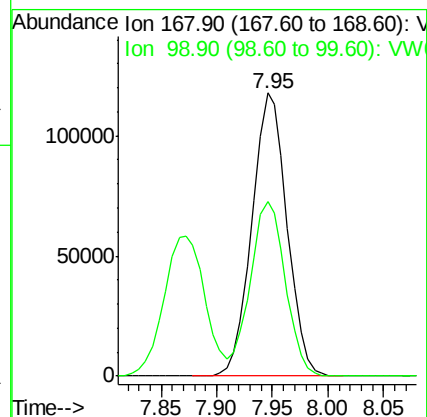
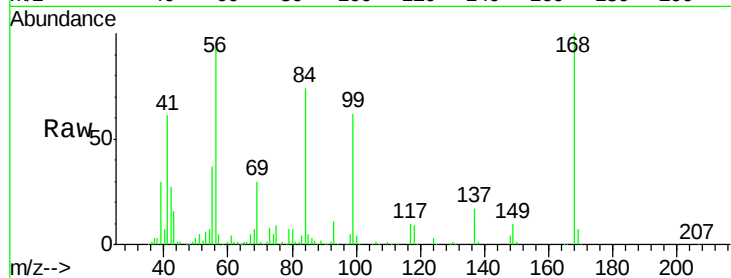
99 61.4 47.7 71.5

Manual Integrations

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6/10/2019 12:24:34 PM



#2

Dichlorodifluoromethane

Concen: 47.739 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010723.D

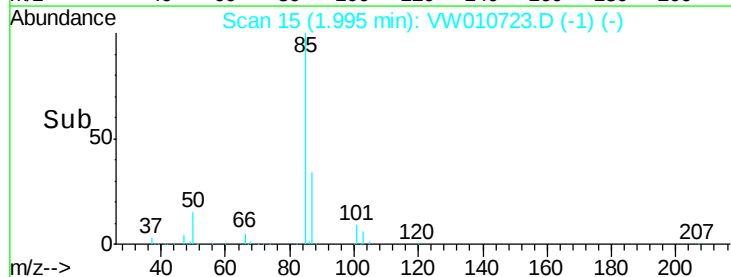
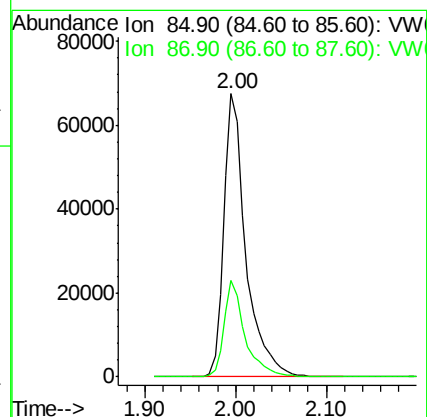
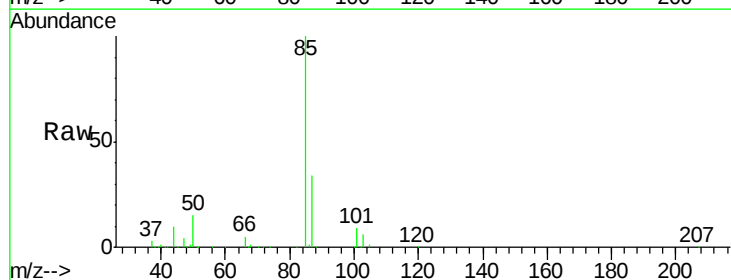
Acq: 07 Jun 2019 10:58

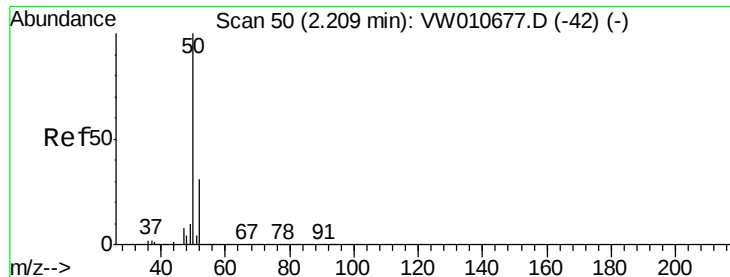
Tgt Ion: 85 Resp: 113994

Ion Ratio Lower Upper

85 100

87 34.1 16.2 48.5





#3

Chloromethane

Concen: 48.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 171350

Ion Ratio Lower Upper

50 100

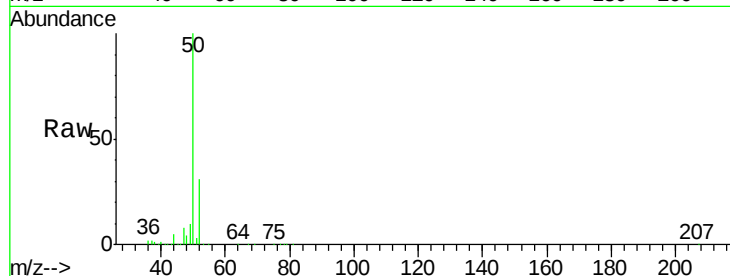
52 31.3 25.2 37.8

Manual Integrations

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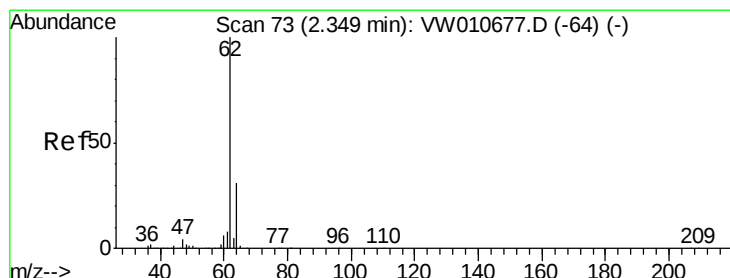
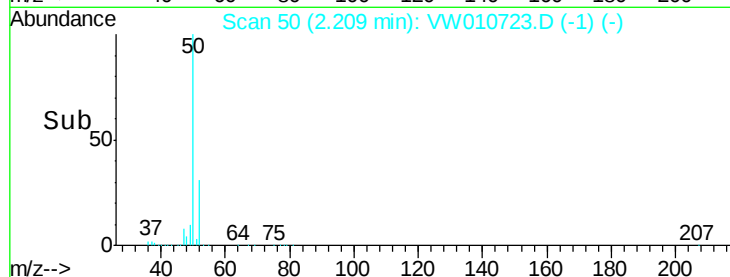
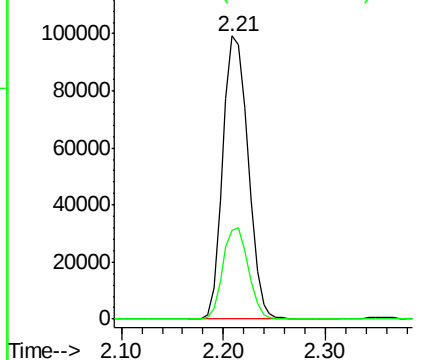
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.086 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010723.D

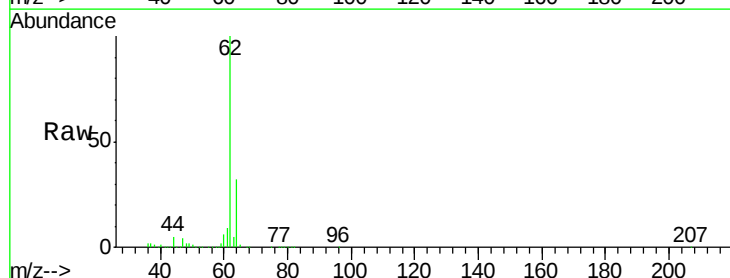
Acq: 07 Jun 2019 10:58

Tgt Ion: 62 Resp: 159324

Ion Ratio Lower Upper

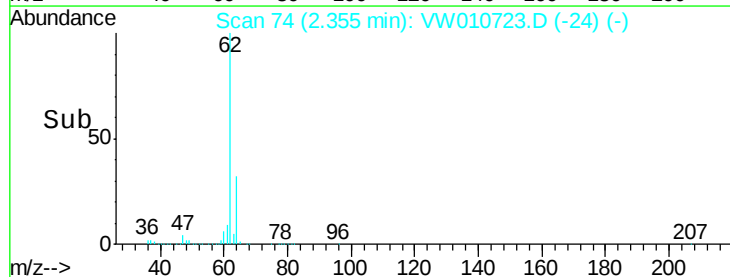
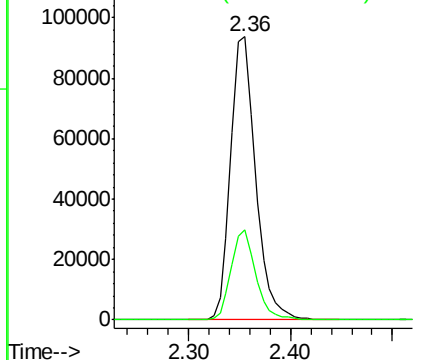
62 100

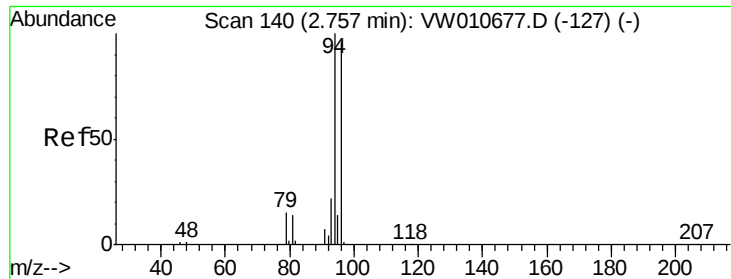
64 32.0 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.480 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86413

Ion Ratio Lower Upper

94 100

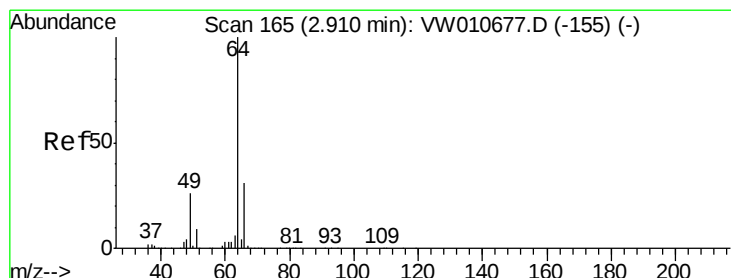
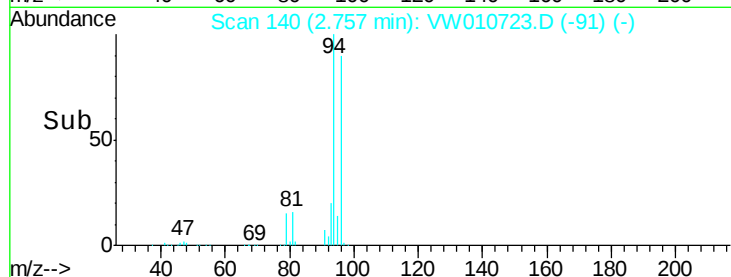
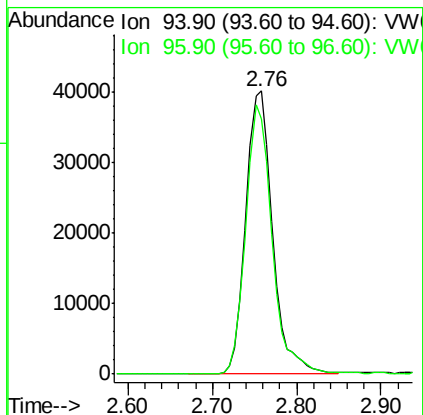
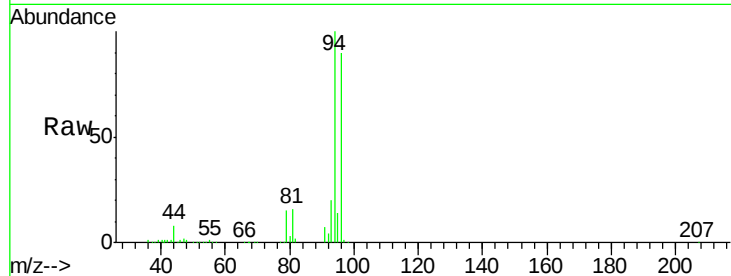
96 90.3 76.5 114.7

Manual Integrations

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6/10/2019 12:24:34 PM



#6

Chloroethane

Concen: 49.821 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010723.D

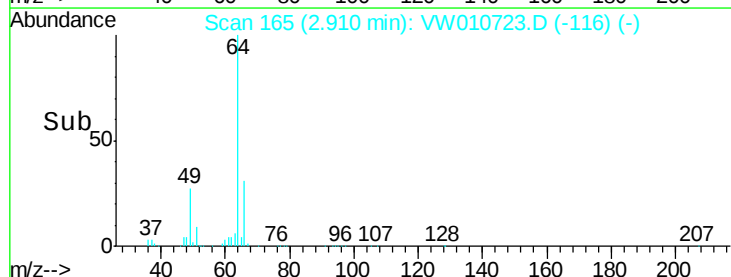
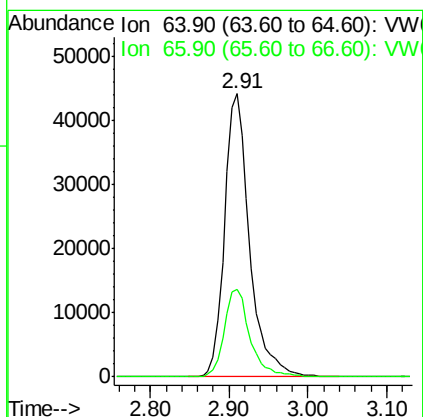
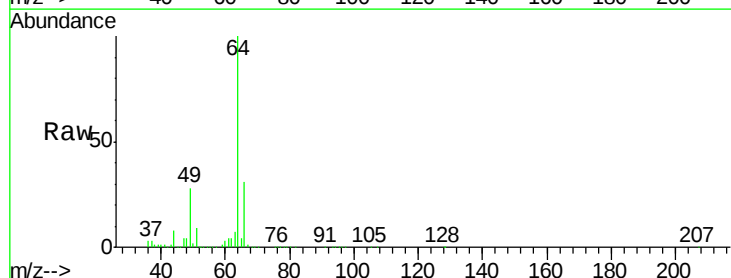
Acq: 07 Jun 2019 10:58

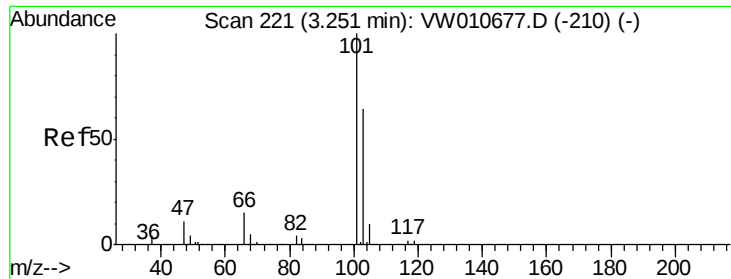
Tgt Ion: 64 Resp: 97068

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

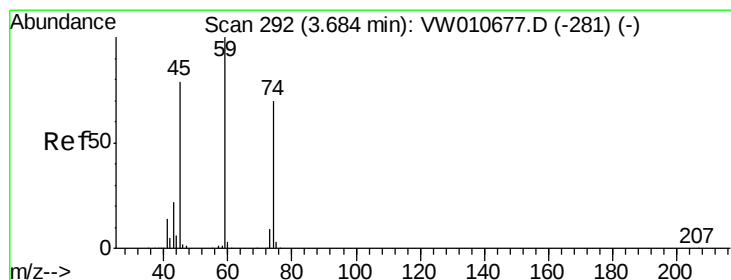
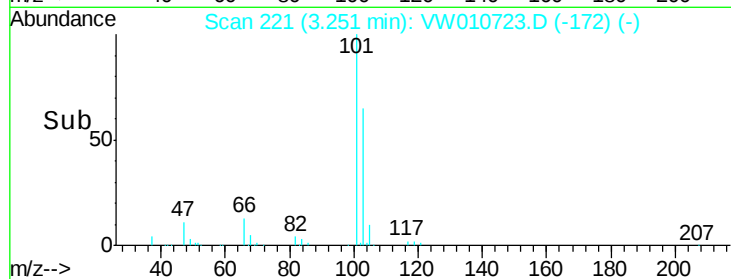
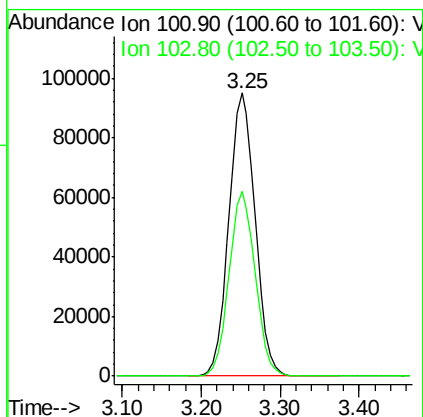
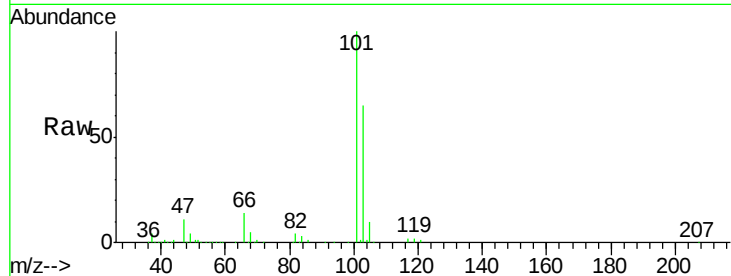
Trichlorofluoromethane
 Concen: 52.261 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010723.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	220197		
103	65.4	51.2	76.8	

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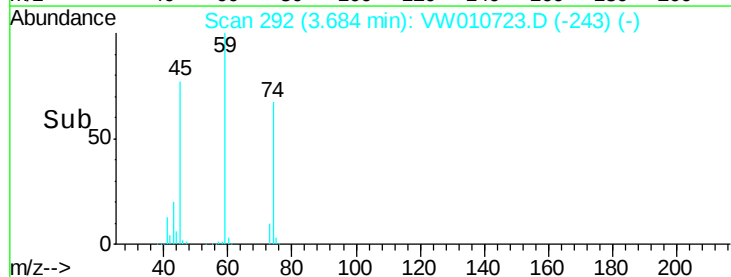
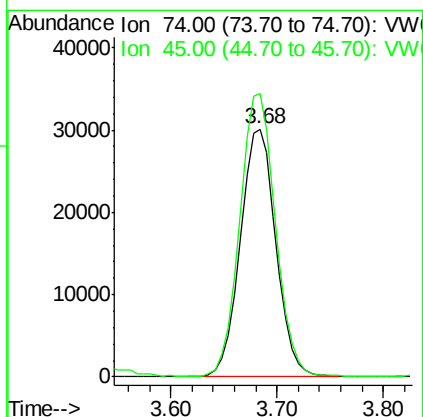
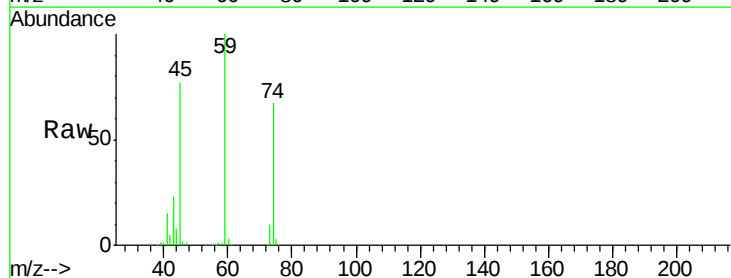
MMDadoda
 6/10/2019 12:24:34 PM

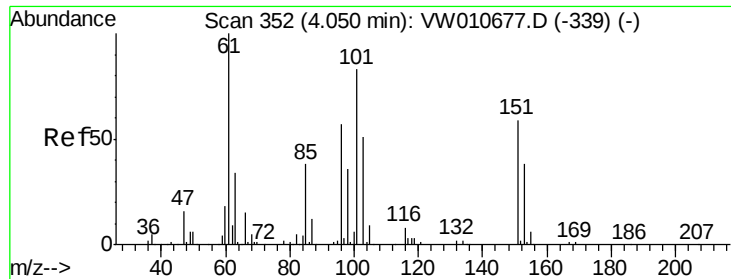


#8

Diethyl Ether
 Concen: 46.960 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	70710		
45	114.5	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.387 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

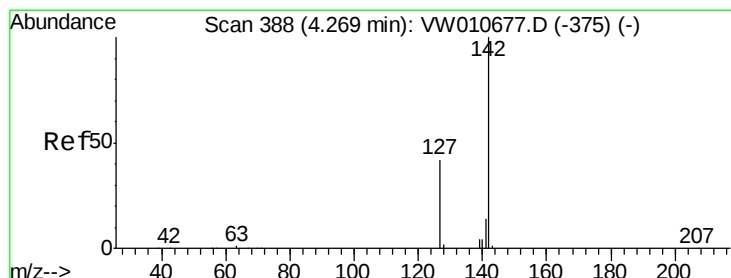
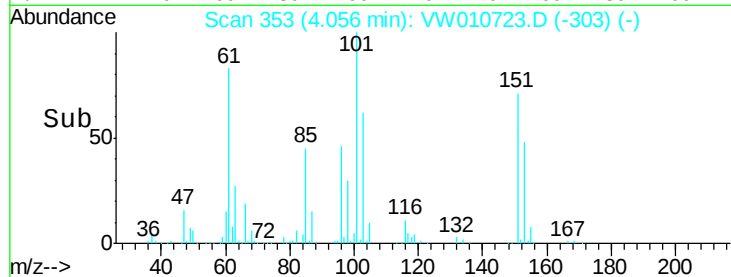
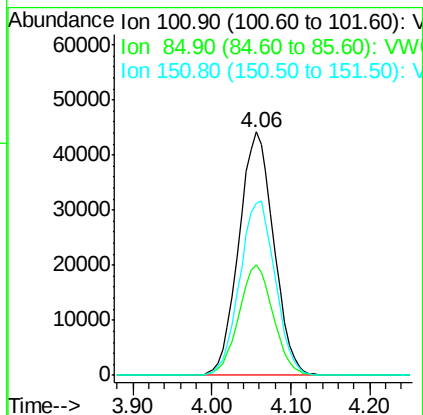
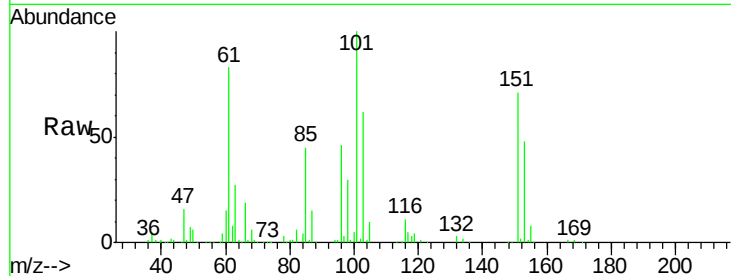
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	135706
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.8
151	72.9	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 48.830 ug/l

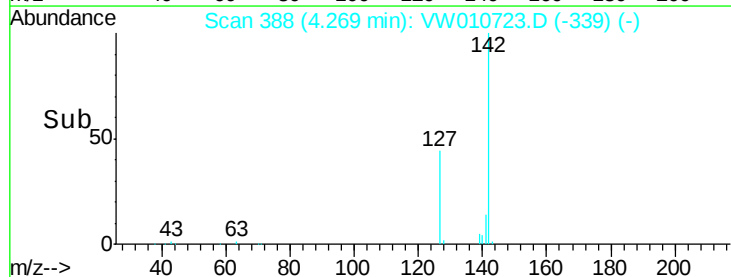
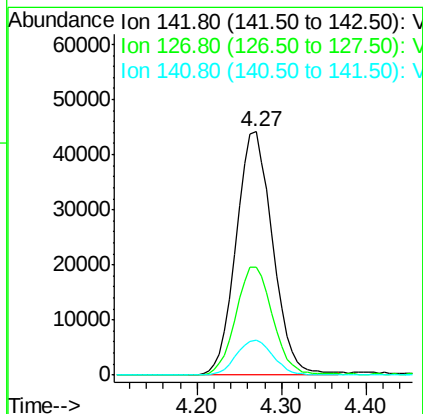
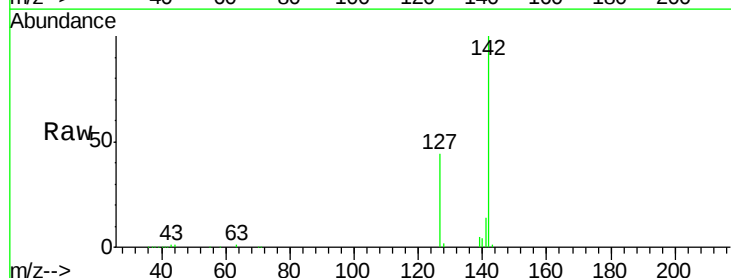
RT: 4.27 min Scan# 388

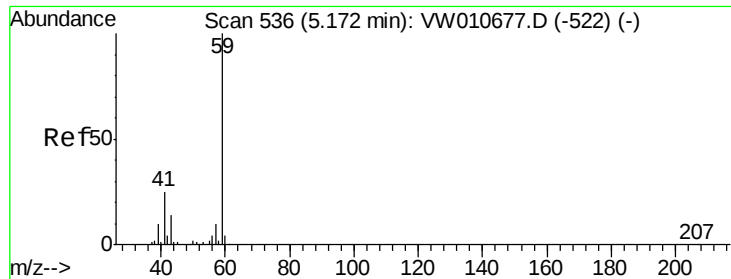
Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion:	142	Resp:	129971
Ion Ratio	Lower	Upper	
142	100		
127	44.9	34.6	51.8
141	14.5	11.6	17.4





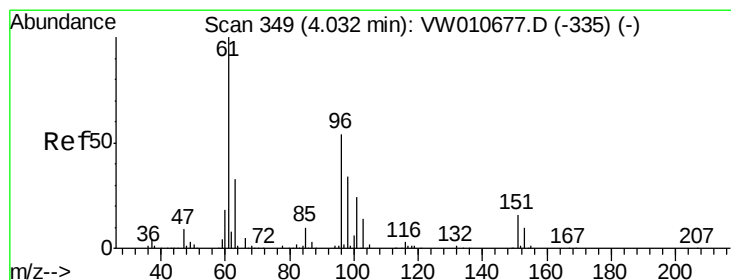
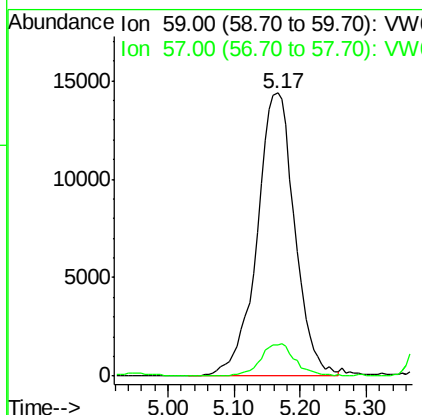
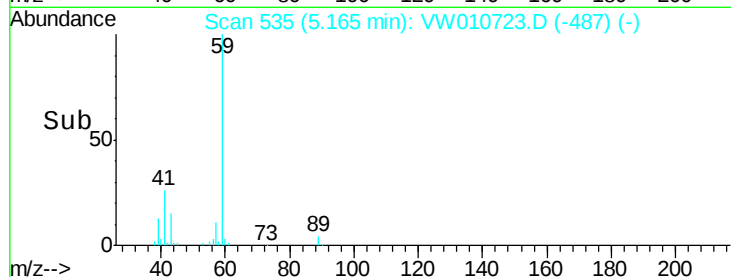
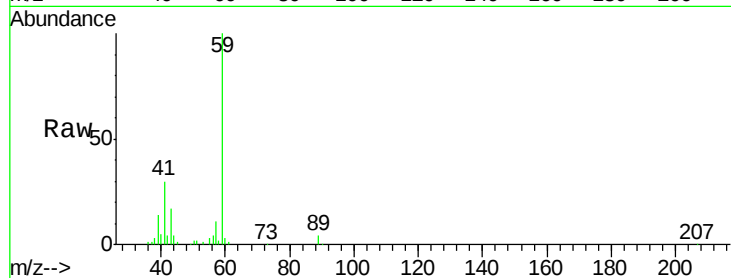
#11
Tert butyl alcohol
Concen: 230.009 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

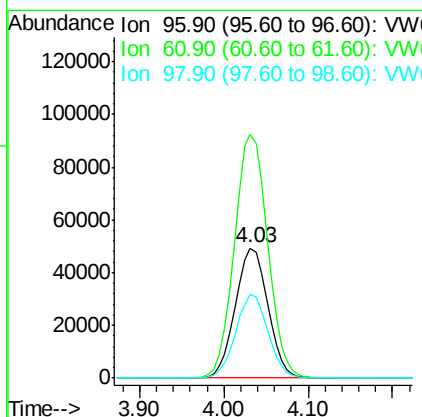
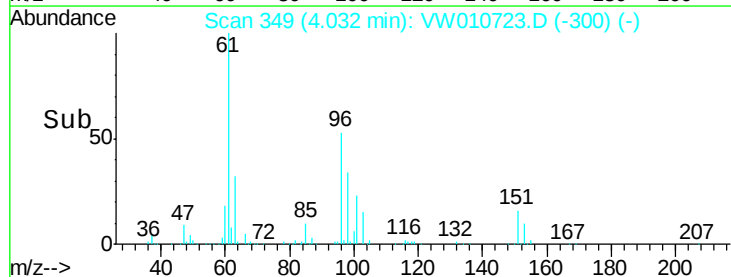
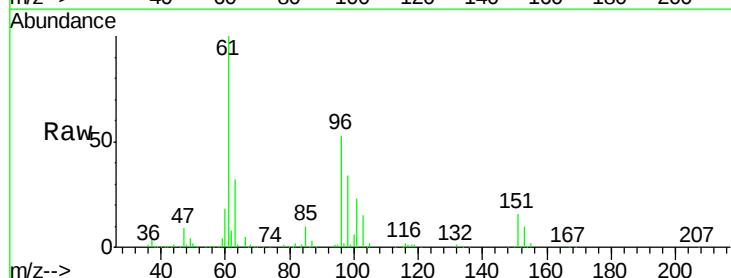
Manual Integrations
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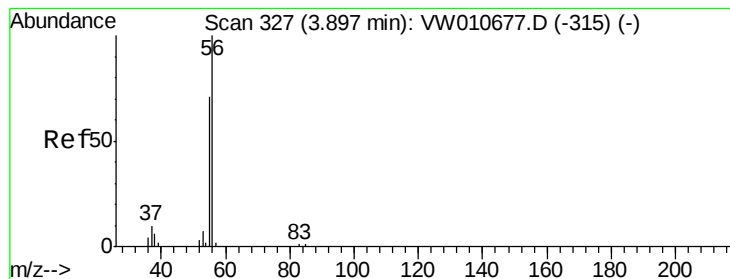
MMDadoda
6/10/2019 12:24:34 PM



#12
1,1-Dichloroethene
Concen: 51.756 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.0	149.1	223.7
98	63.8	51.1	76.7





#13

Acrolein

Concen: 292.720 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 29679

Ion Ratio Lower Upper

56 100

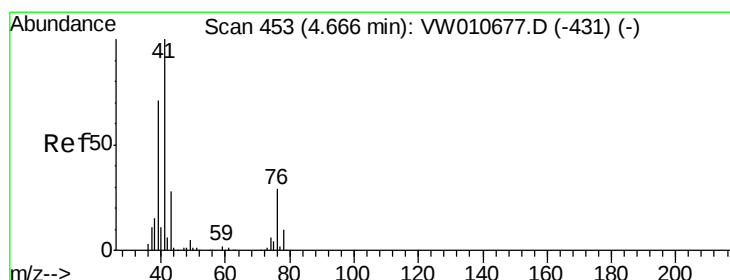
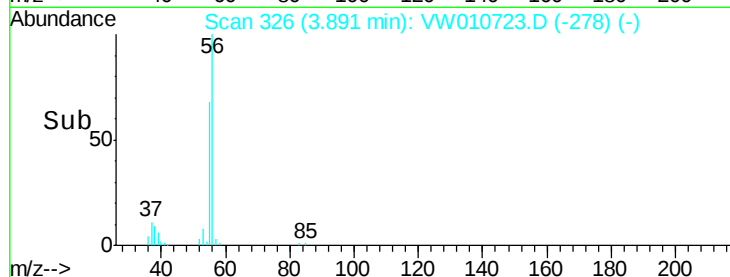
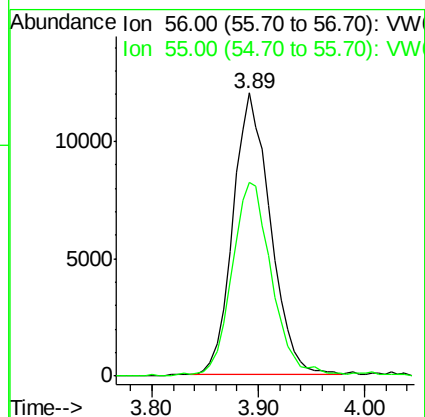
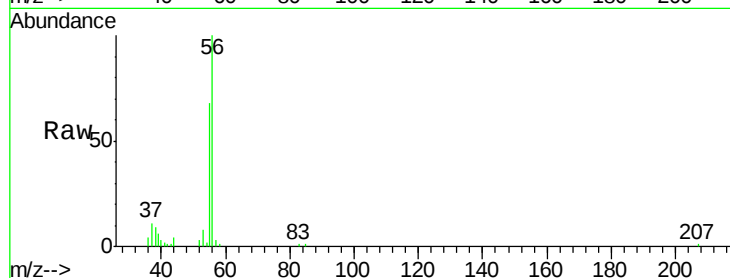
55 72.9 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 53.213 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

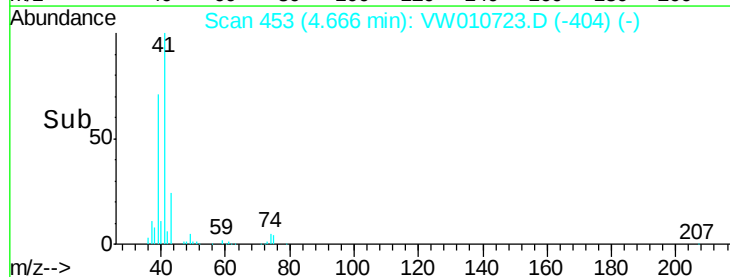
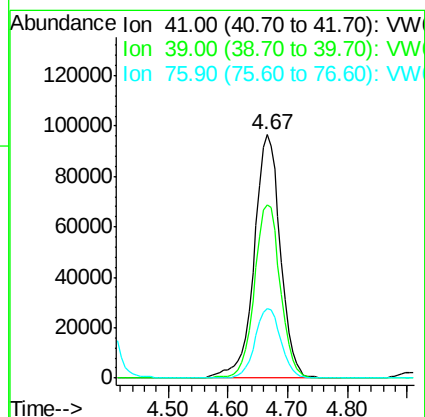
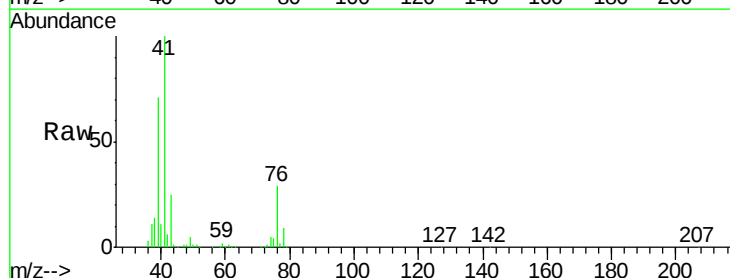
Tgt Ion: 41 Resp: 293195

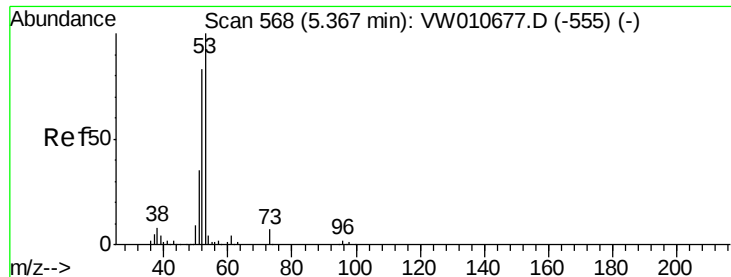
Ion Ratio Lower Upper

41 100

39 70.8 55.8 83.6

76 28.1 22.7 34.1





#15

Acrylonitrile

Concen: 220.174 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

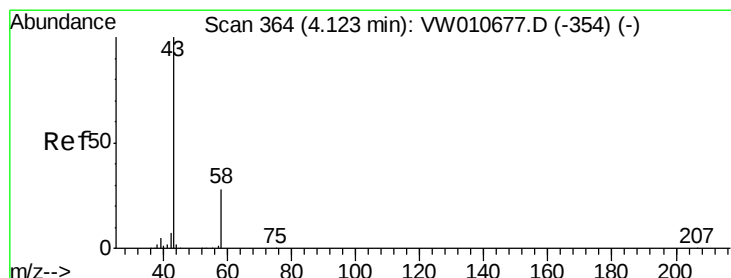
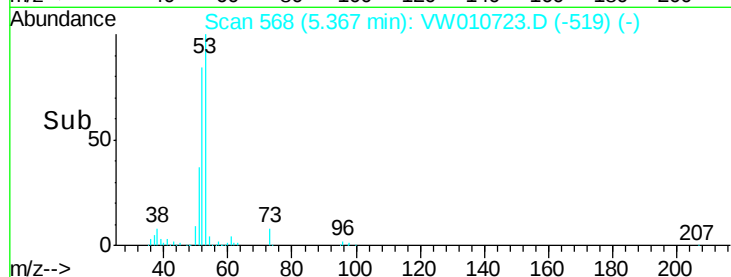
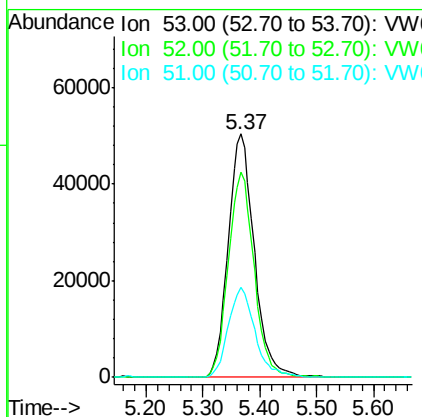
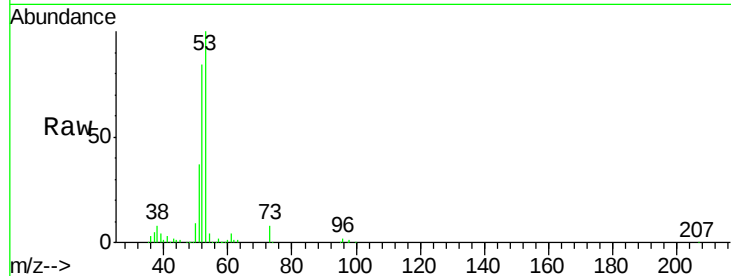
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	161060
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	100.0
51	37.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 253.318 ug/l

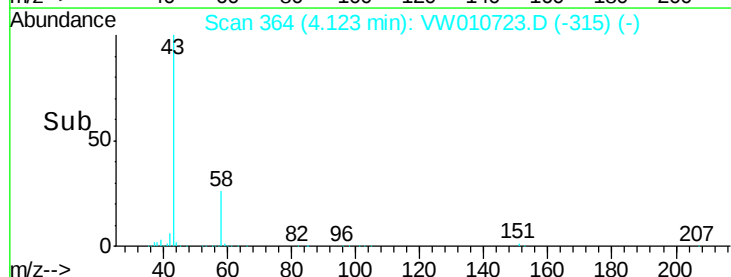
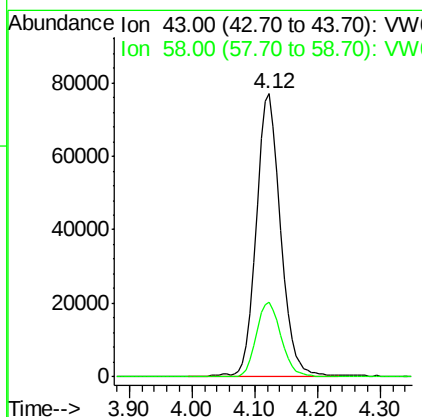
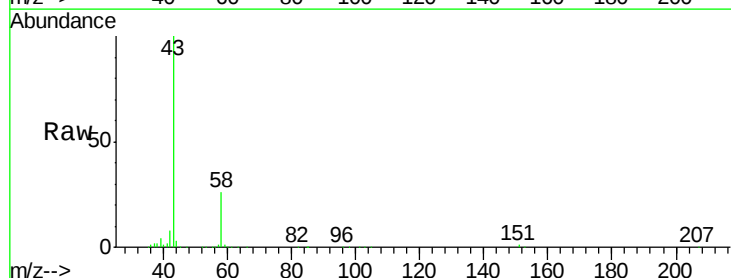
RT: 4.12 min Scan# 364

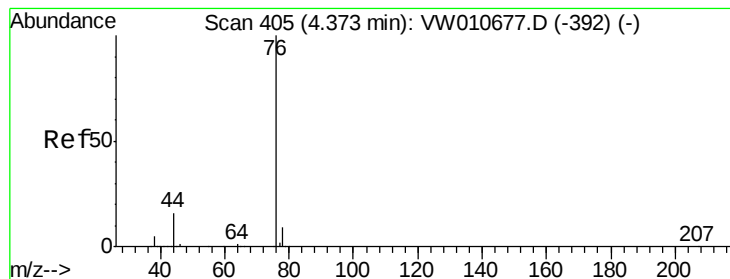
Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion:	43	Resp:	206726
Ion Ratio		Lower	Upper
43	100		
58	26.2	22.1	33.1





#17

Carbon Disulfide

Concen: 51.795 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 410865

Ion Ratio Lower Upper

76 100

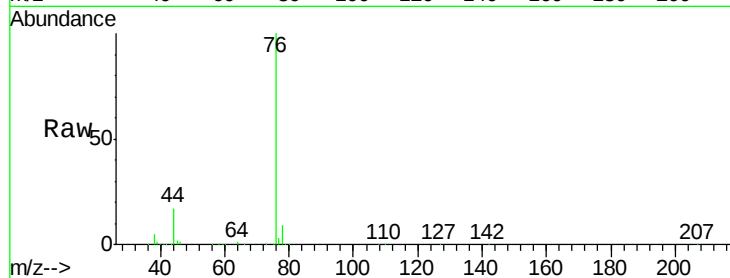
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

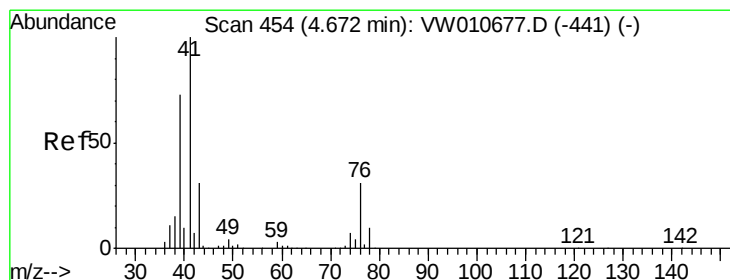
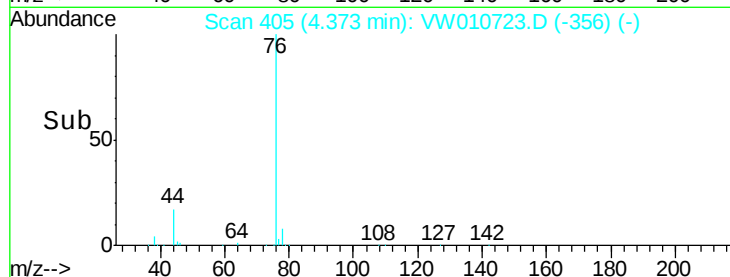
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.256 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010723.D

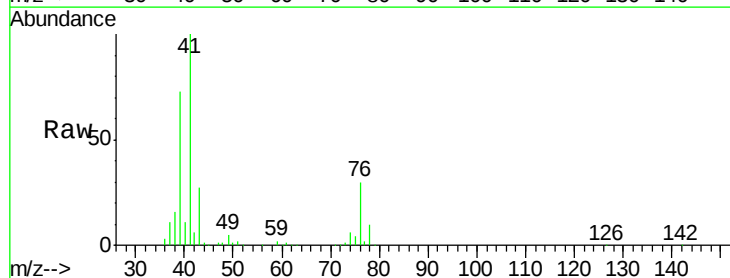
Acq: 07 Jun 2019 10:58

Tgt Ion: 43 Resp: 74231

Ion Ratio Lower Upper

43 100

74 20.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

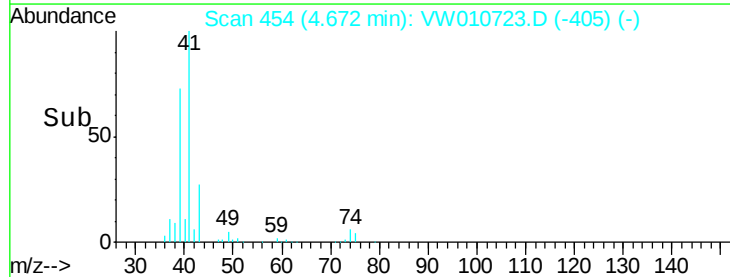
15000

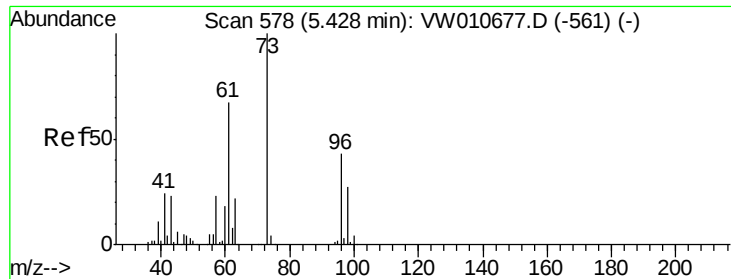
10000

5000

0

Time-->





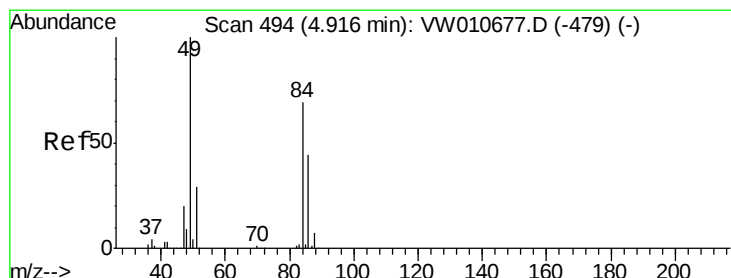
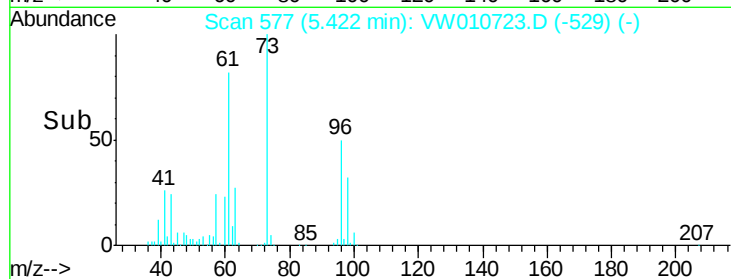
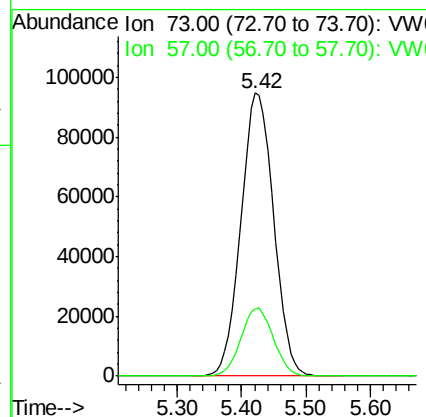
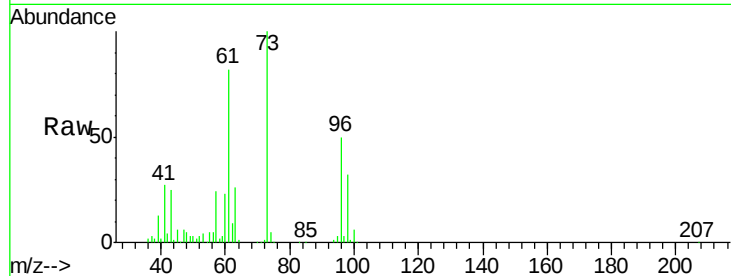
#19
Methyl tert-butyl Ether
Concen: 46.029 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 331735
Ion Ratio Lower Upper
73 100
57 23.9 18.6 27.8

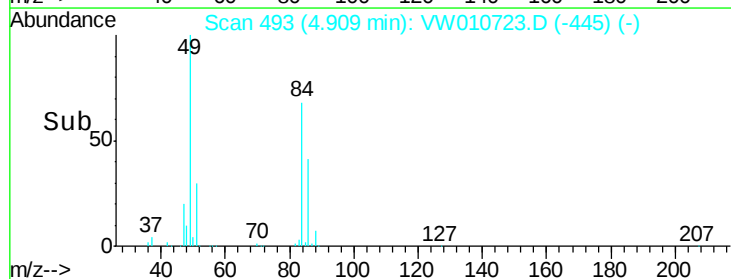
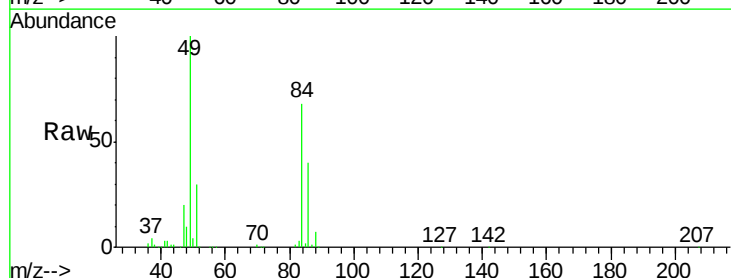
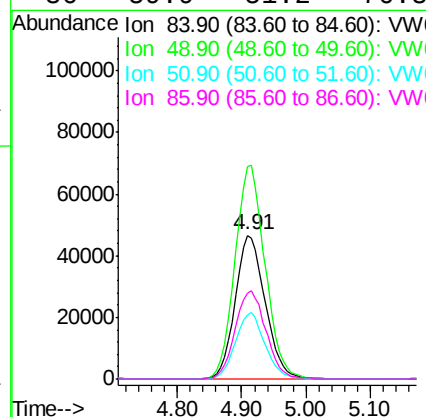
Manual Integrations
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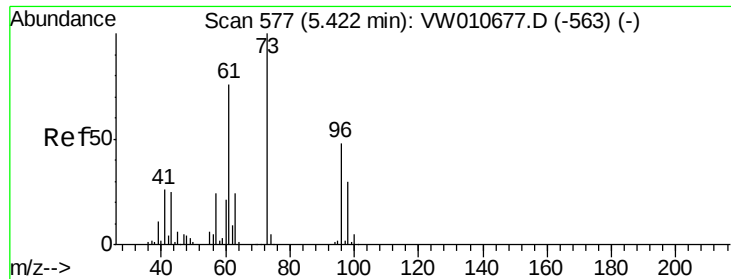
MMDadoda
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#20
Methylene Chloride
Concen: 52.831 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion: 84 Resp: 151247
Ion Ratio Lower Upper
84 100
49 148.1 116.7 175.1
51 44.6 34.2 51.2
86 59.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.242 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

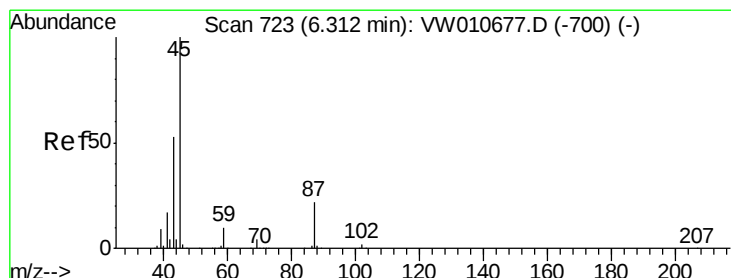
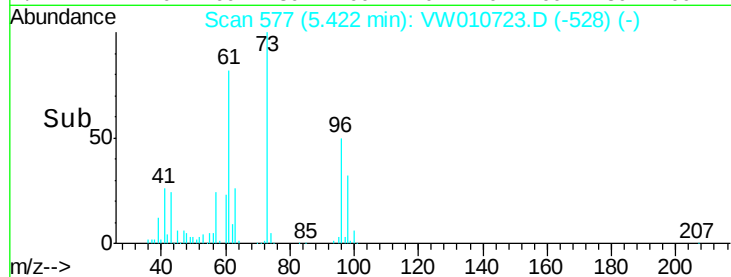
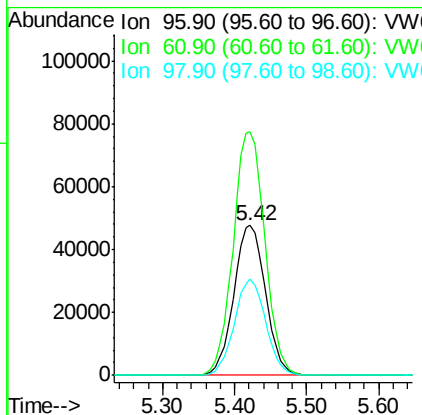
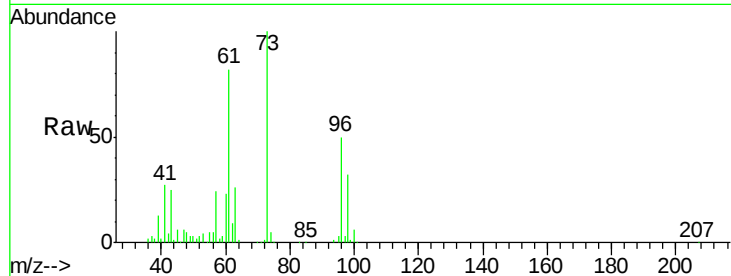
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	145361
Ion	Ratio	Lower	Upper
96	100		
61	162.3	126.0	189.0
98	64.0	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.452 ug/l

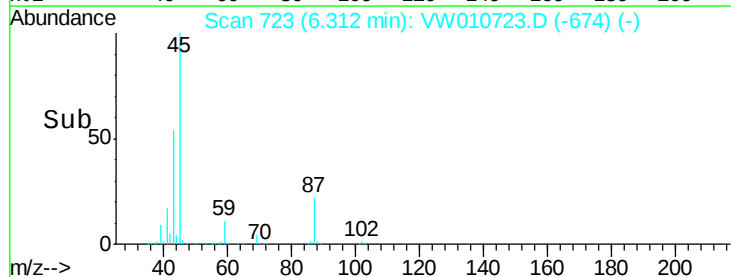
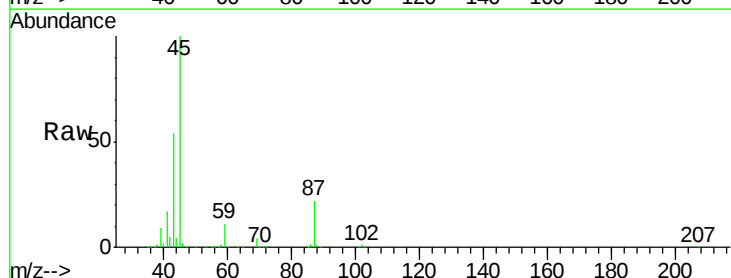
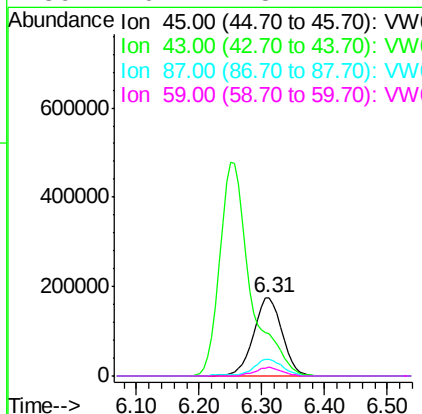
RT: 6.31 min Scan# 723

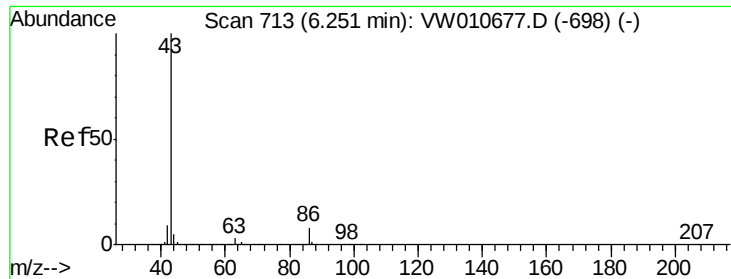
Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion:	45	Resp:	556529
Ion	Ratio	Lower	Upper
45	100		
43	54.2	42.5	63.7
87	22.0	17.4	26.2
59	10.7	8.1	12.1





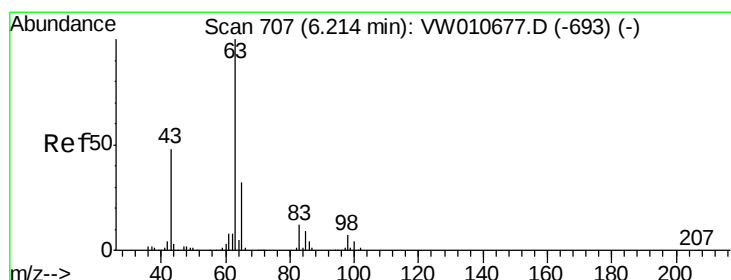
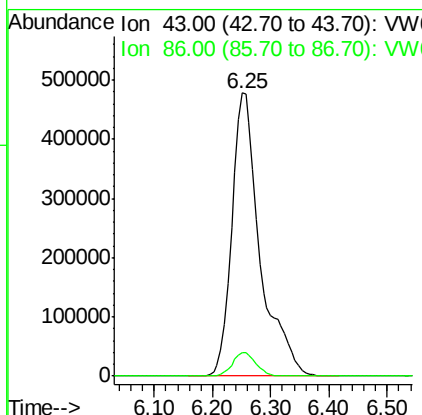
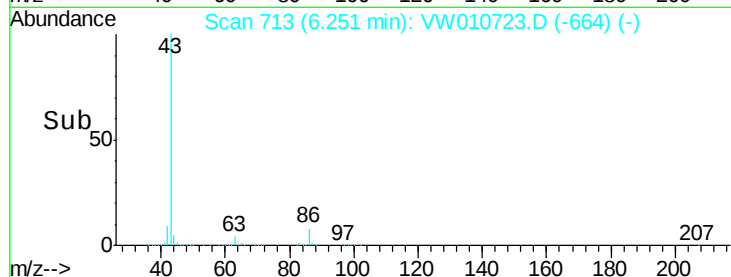
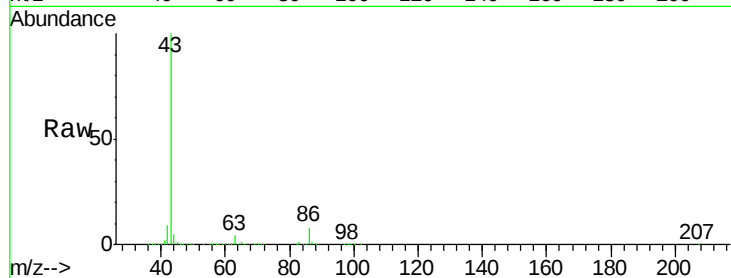
#23
 Vinyl Acetate
 Concen: 242.137 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1611919
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 10.0

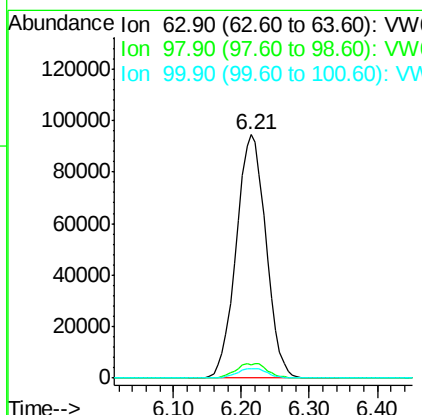
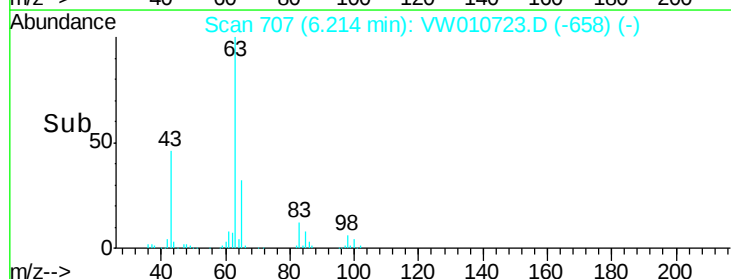
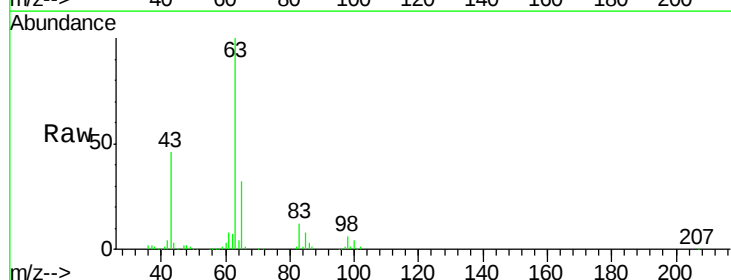
Manual Integrations
 APPROVED

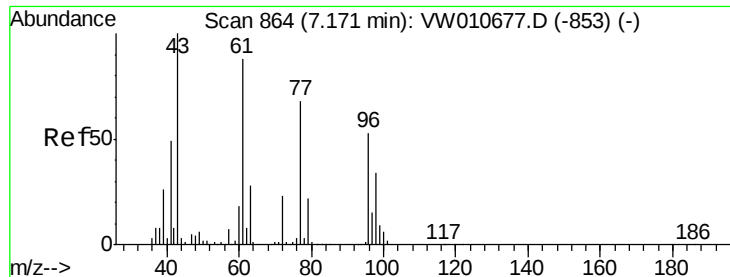
MMDadoda
 6/10/2019 12:24:34 PM



#24
 1,1-Dichloroethane
 Concen: 51.880 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion: 63 Resp: 286794
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.4 10.2
 100 3.8 2.1 6.3





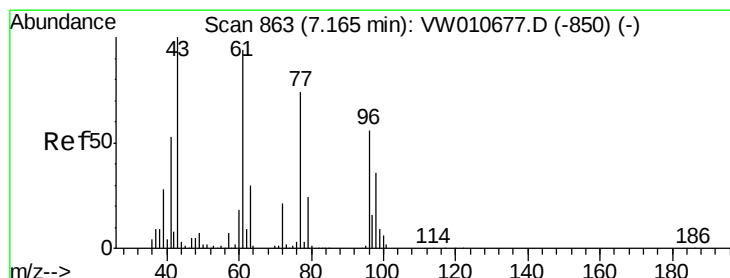
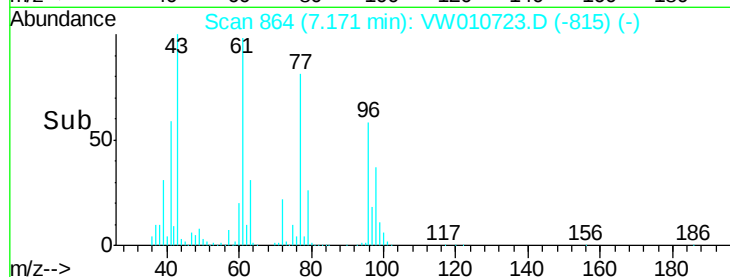
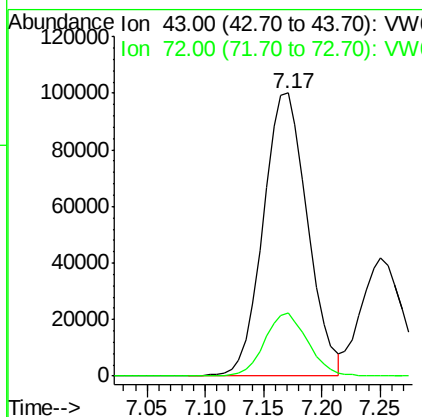
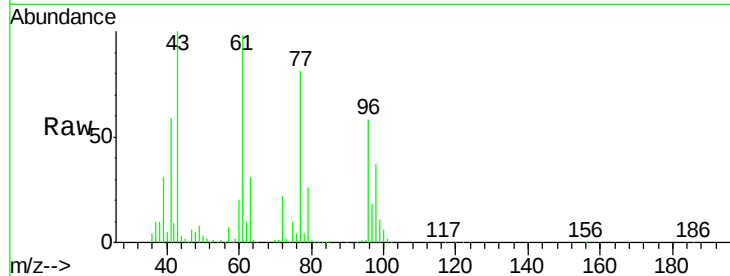
#25
2-Butanone
Concen: 232.526 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 263126
Ion Ratio Lower Upper
43 100
72 22.2 18.1 27.1

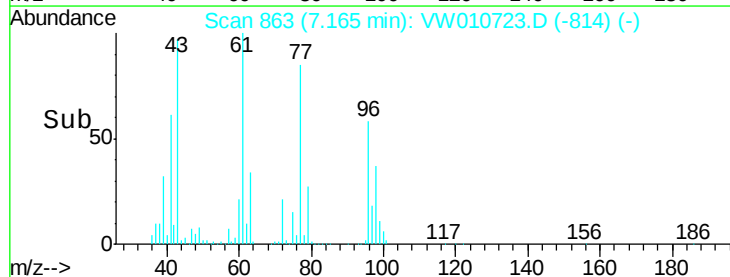
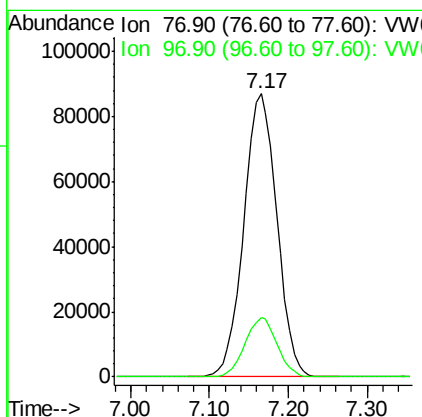
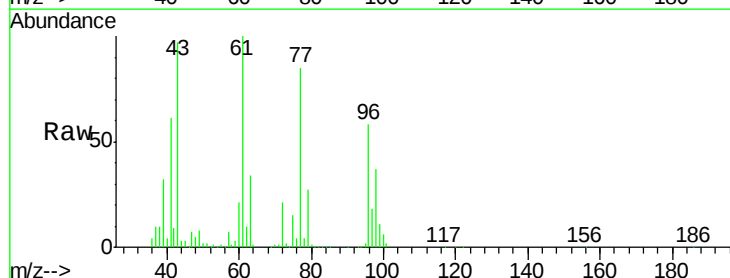
Manual Integrations
APPROVED

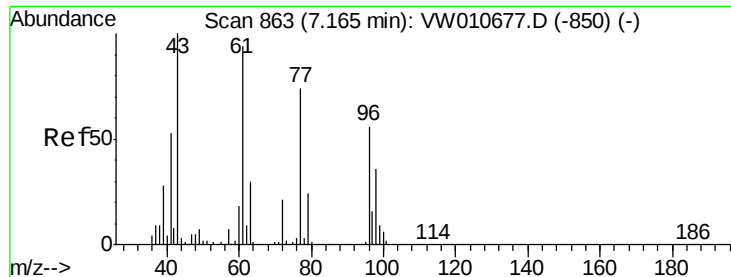
MMDadoda
6/10/2019 12:24:34 PM



#26
2,2-Dichloropropane
Concen: 56.431 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion: 77 Resp: 253844
Ion Ratio Lower Upper
77 100
97 20.3 10.5 31.6





#27

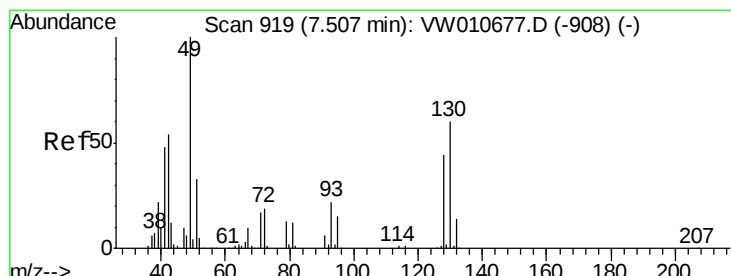
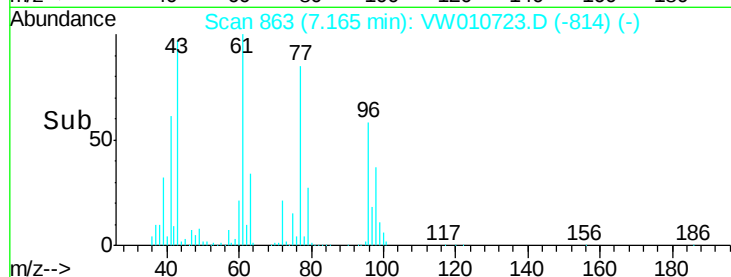
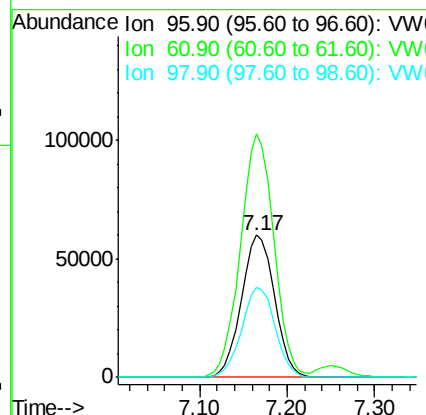
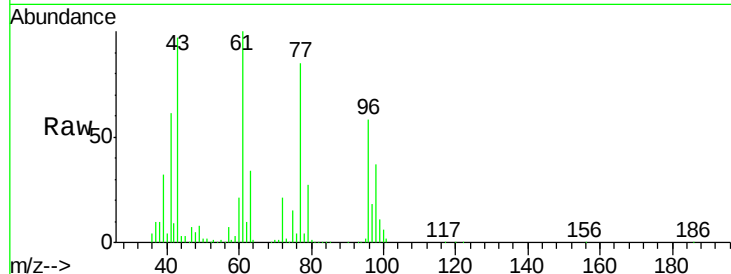
cis-1,2-Dichloroethene
Concen: 50.844 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	172.1	0.0	336.4	
98	63.8	0.0	128.0	

Manual Integrations
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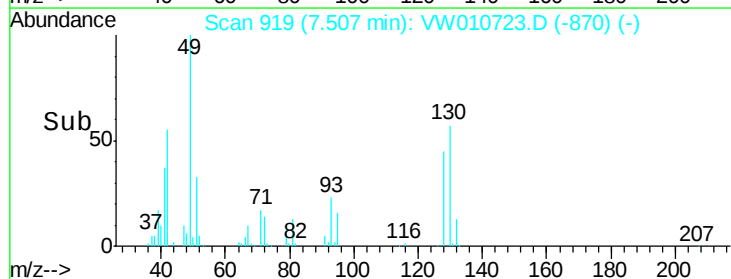
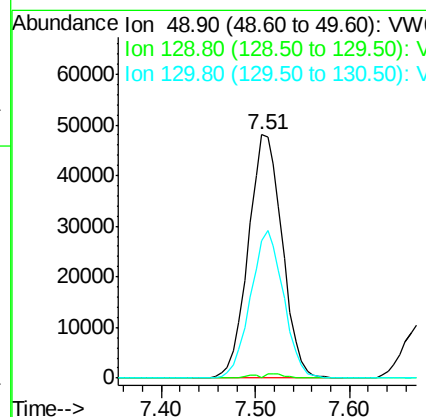
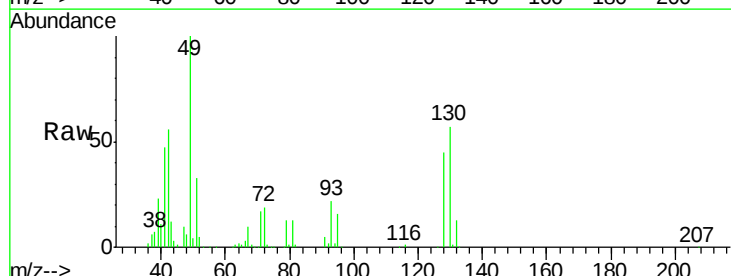
MMDadoda
6/10/2019 12:24:34 PM

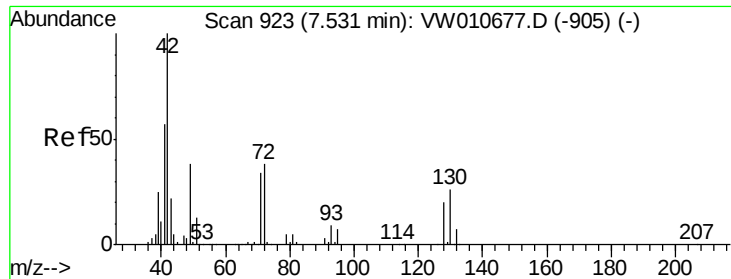


#28

Bromochloromethane
Concen: 49.323 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	3.2	
130	58.8	48.3	72.5	





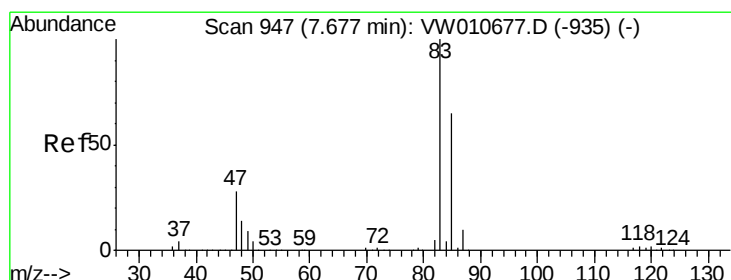
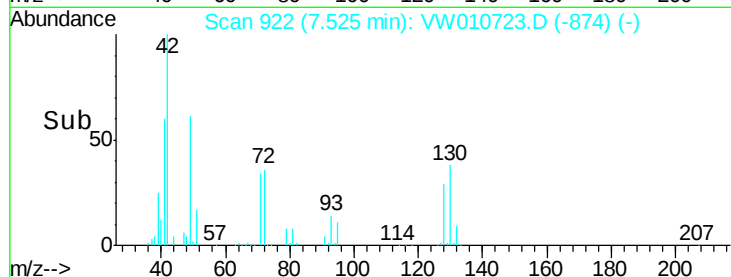
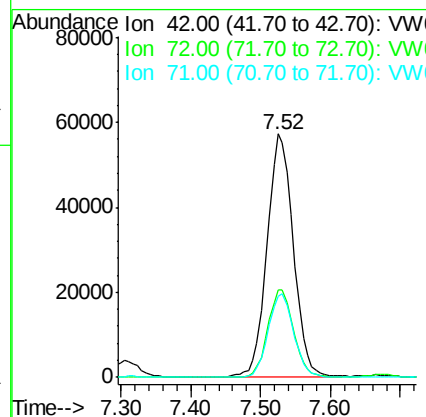
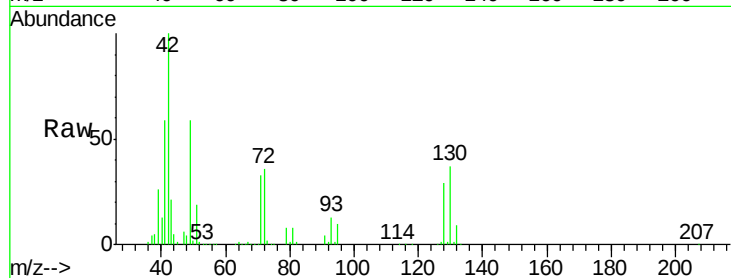
#29
Tetrahydrofuran
Concen: 210.237 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	28.7	43.1
71	33.5	26.6	39.8

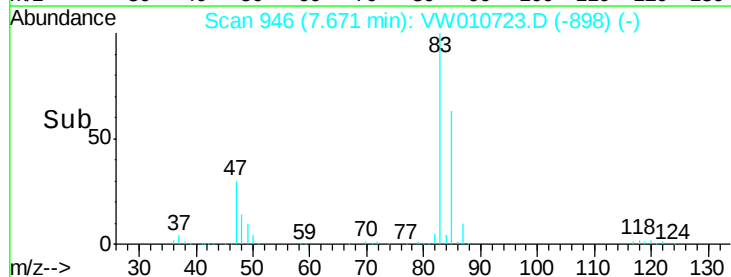
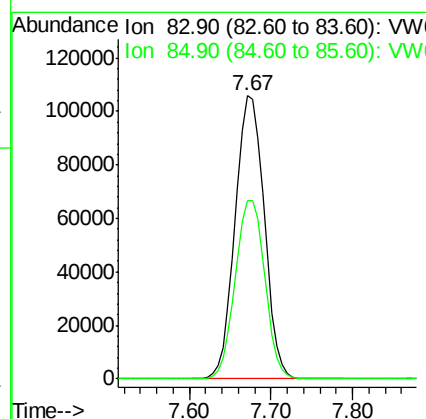
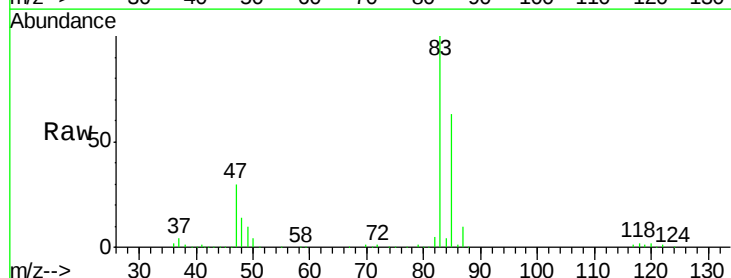
Manual Integrations
APPROVED

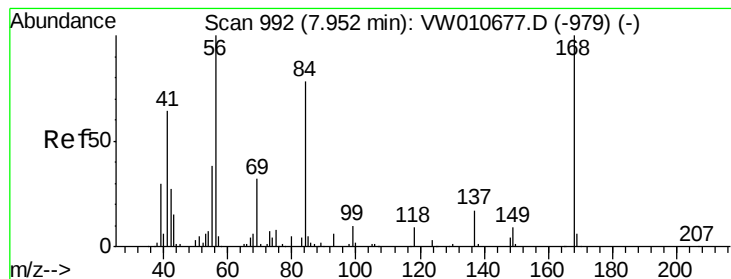
MMDadoda
6/10/2019 12:24:34 PM



#30
Chloroform
Concen: 51.627 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.8





#31

Cvclohexane

Concen: 49.580 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 304672

Ion Ratio Lower Upper

56 100

69 30.9 25.2 37.8

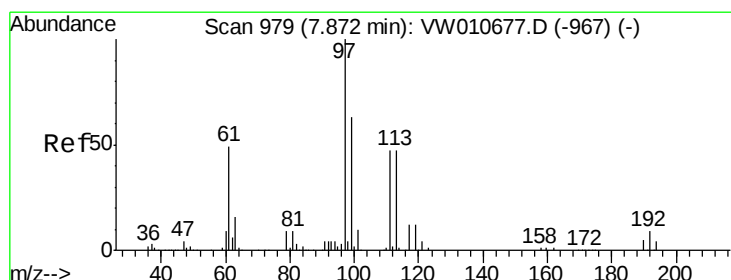
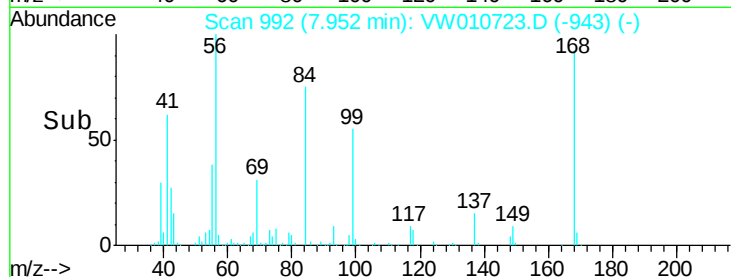
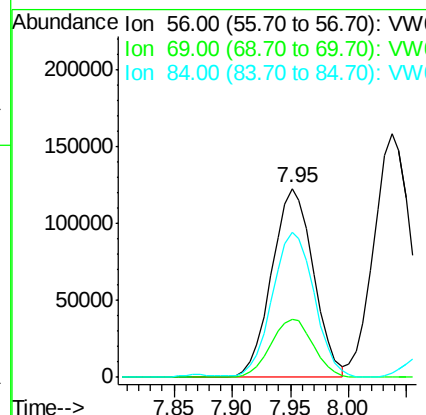
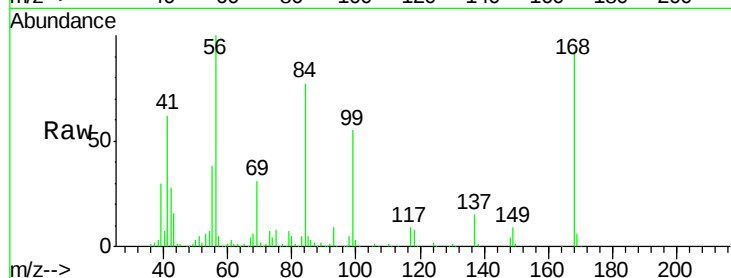
84 75.9 62.2 93.2

Manual Integrations

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6/10/2019 12:24:34 PM



#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

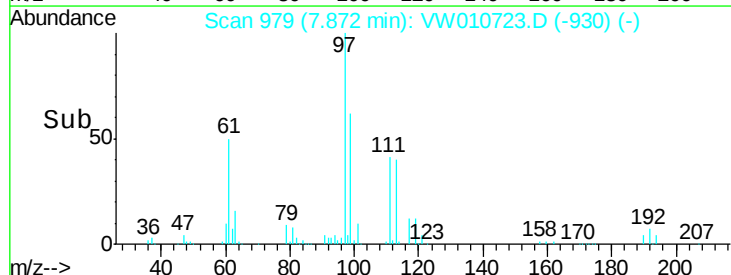
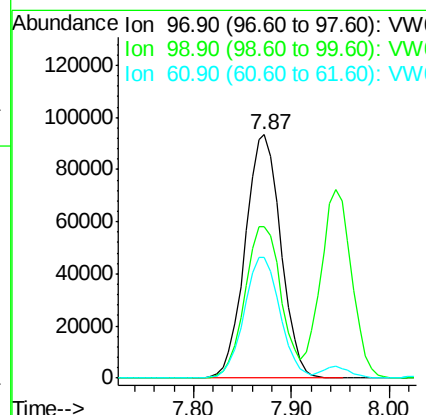
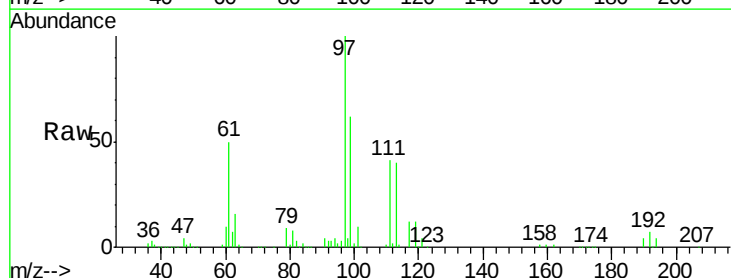
Tgt Ion: 97 Resp: 235448

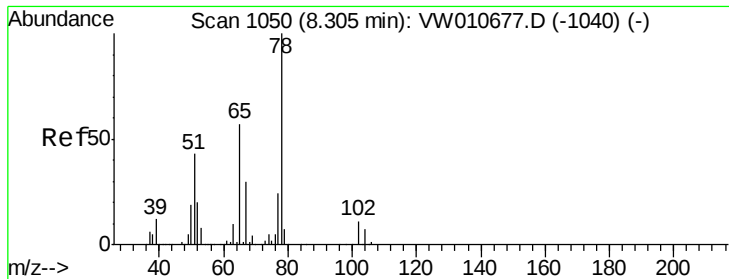
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 50.2 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 45.624 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 138955

Ion Ratio Lower Upper

65 100

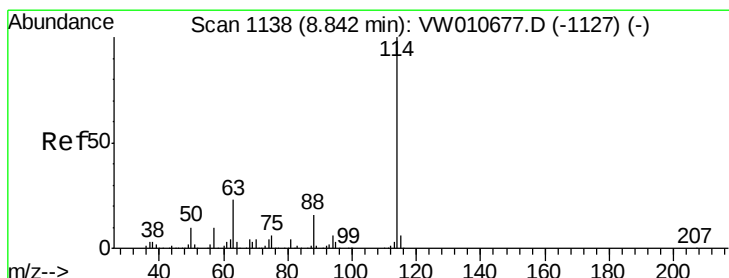
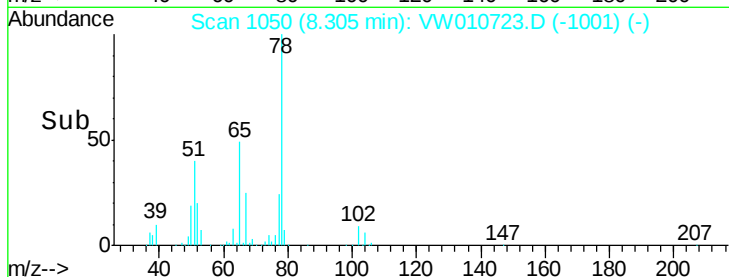
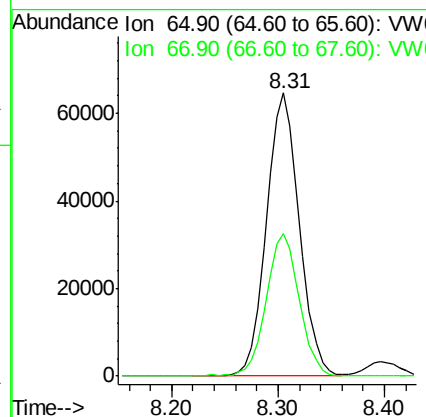
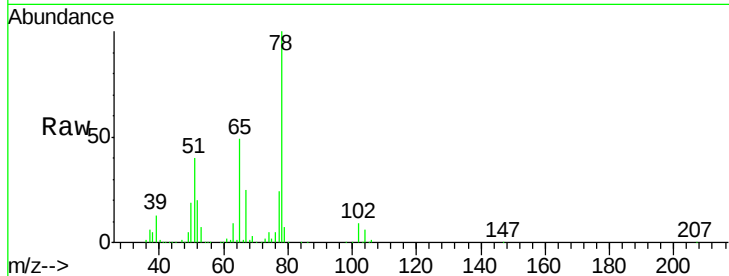
67 50.5 0.0 102.6

Manual Integrations

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6/10/2019 12:24:34 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

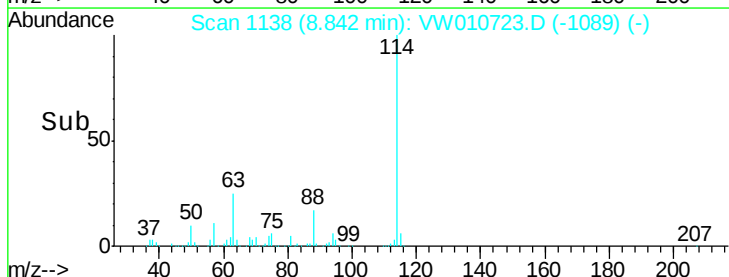
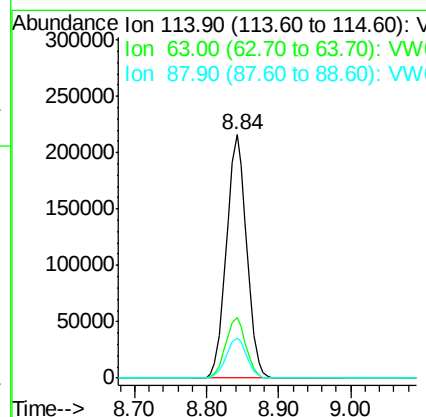
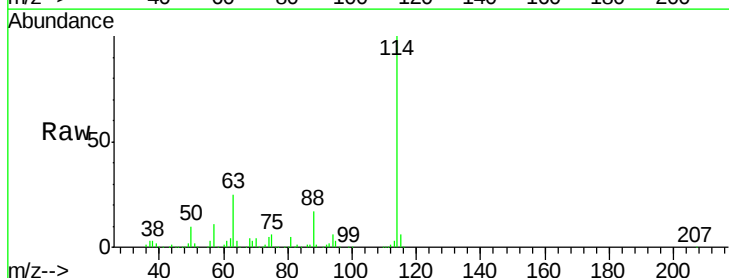
Tgt Ion: 114 Resp: 420864

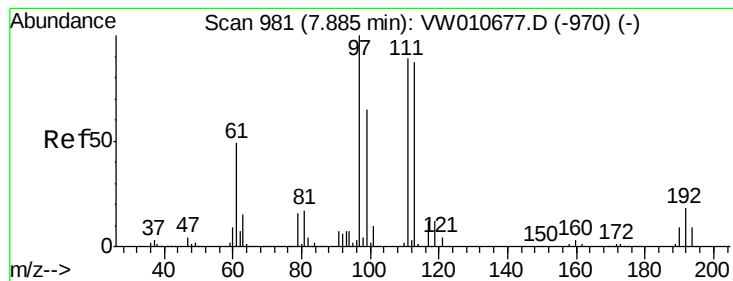
Ion Ratio Lower Upper

114 100

63 24.8 0.0 46.4

88 16.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.475 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 113018

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

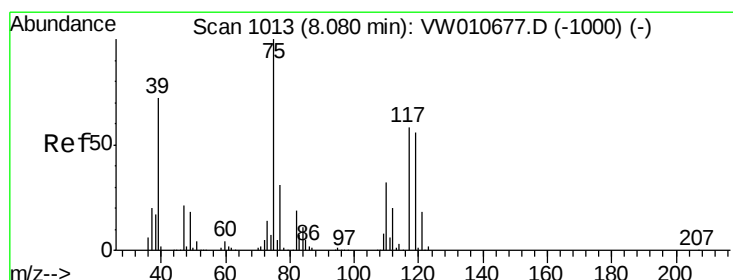
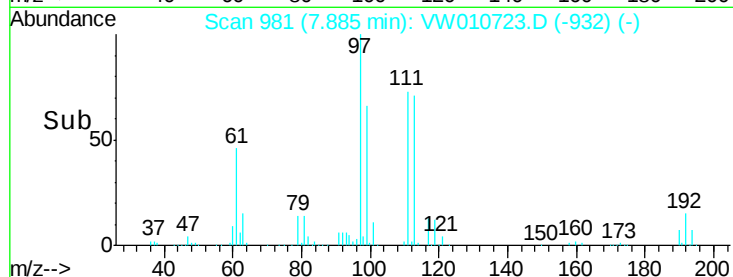
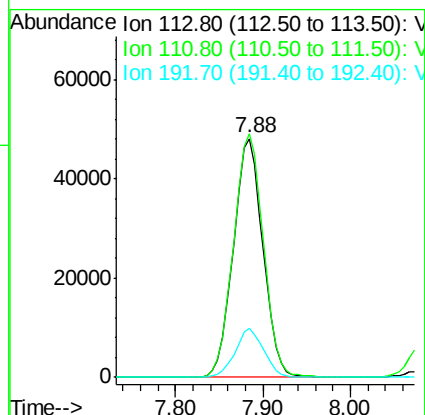
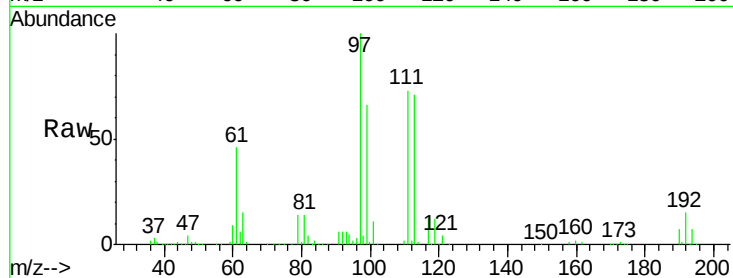
192 19.7 16.4 24.6

Manual Integrations

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6/10/2019 12:24:34 PM



#36

1,1-Dichloropropene

Concen: 52.411 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

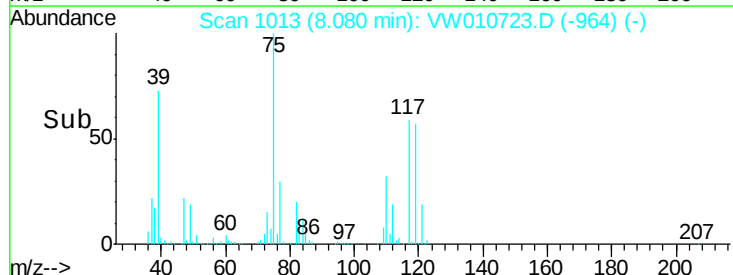
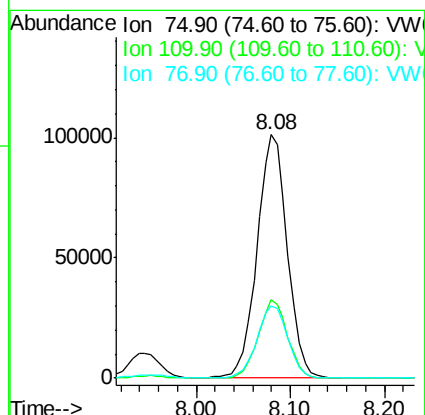
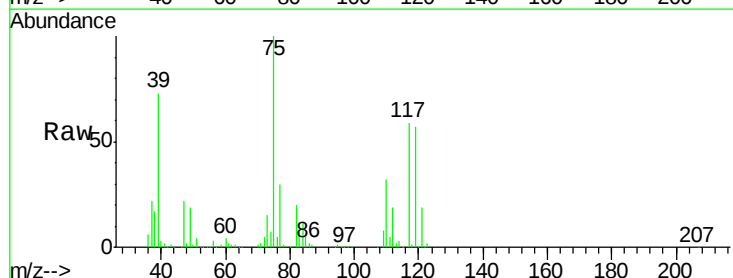
Tgt Ion: 75 Resp: 225788

Ion Ratio Lower Upper

75 100

110 31.5 15.8 47.3

77 30.8 24.7 37.1





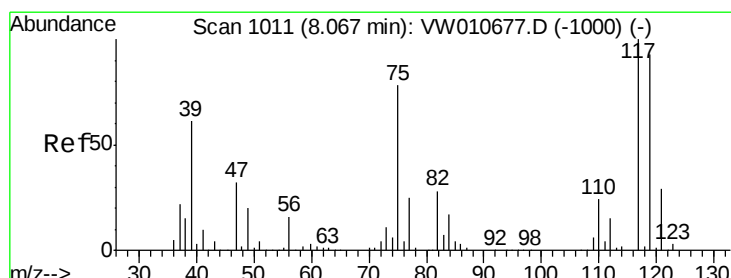
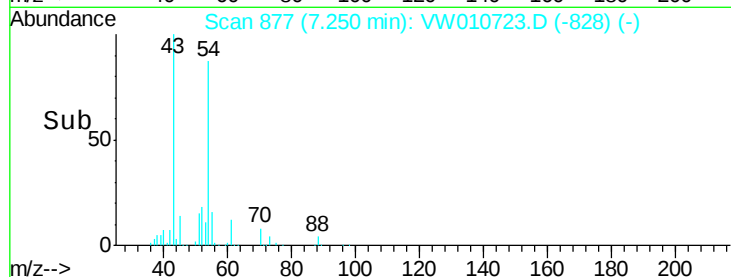
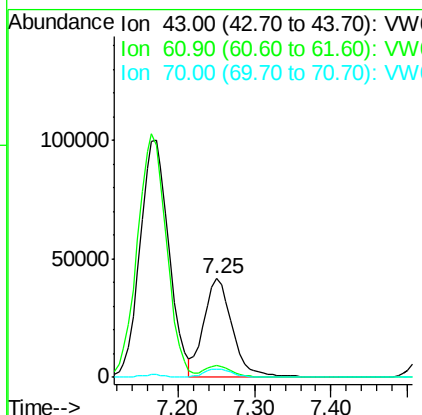
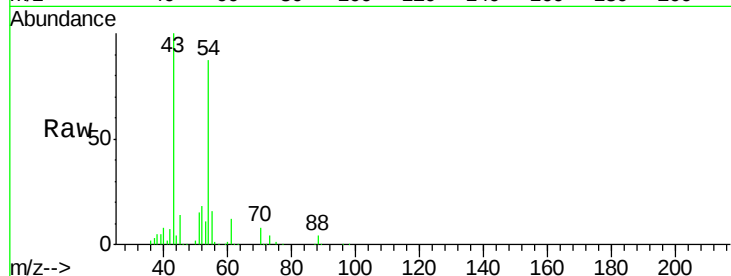
#37
Ethyl Acetate
Concen: 44.841 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.7	14.5
70	8.4	7.2	10.8

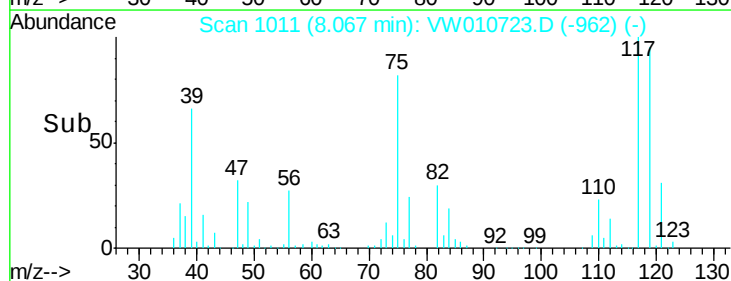
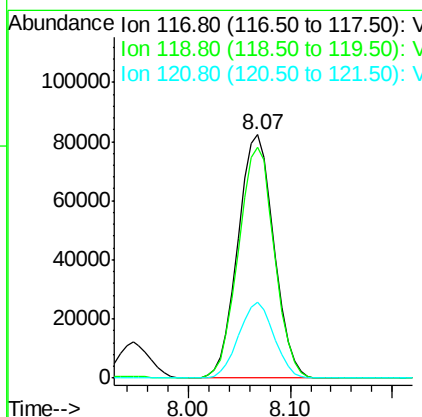
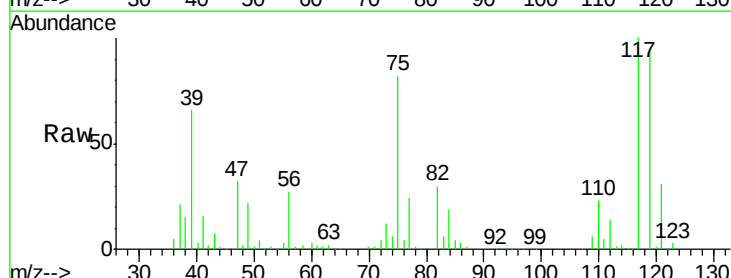
Manual Integrations
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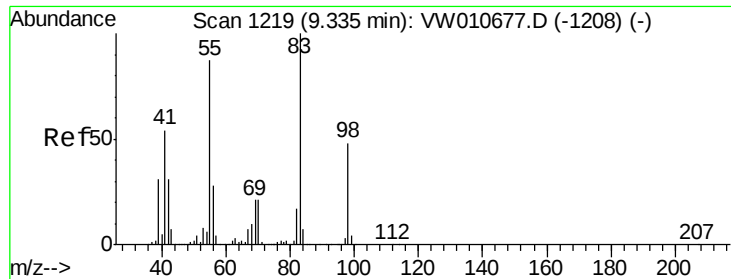
MMDadoda
6/10/2019 12:24:34 PM



#38
Carbon Tetrachloride
Concen: 54.285 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.2	111.4
121	31.3	22.9	34.3





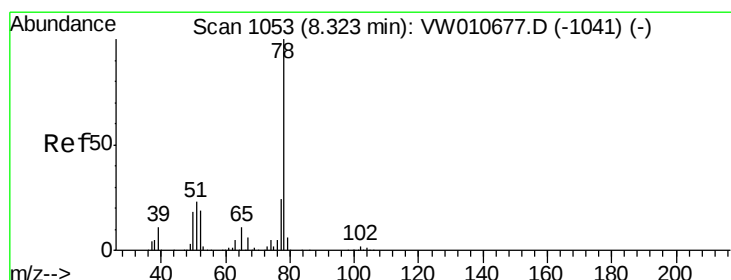
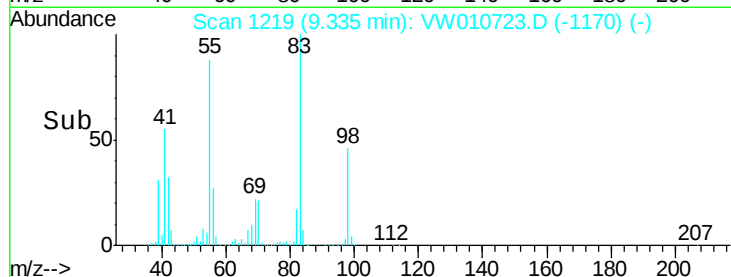
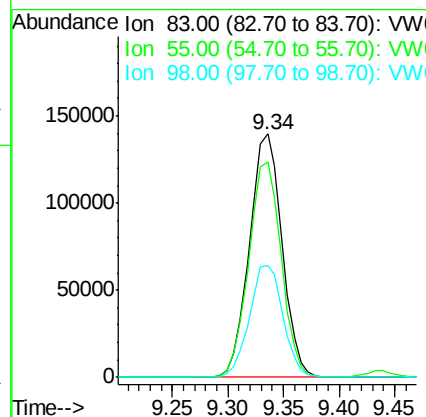
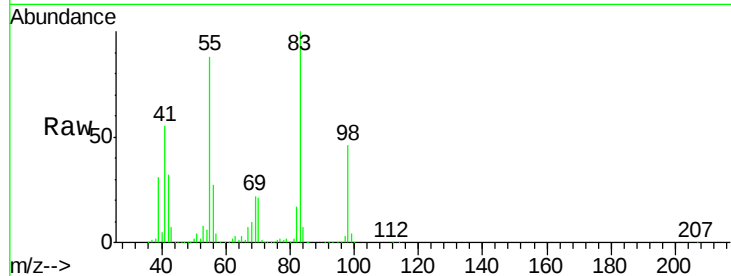
#39
Methvlcvclohexane
Concen: 52.066 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.0	105.0
98	45.9	38.1	57.1

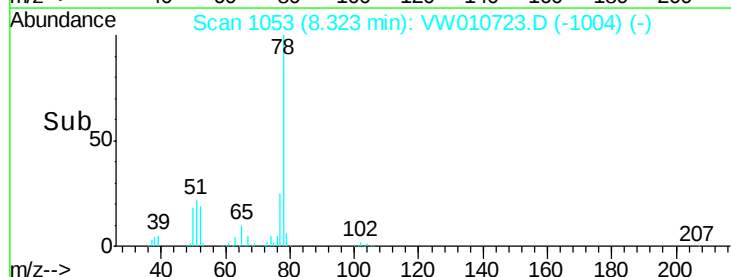
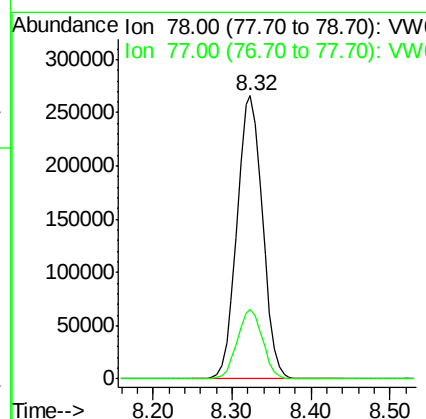
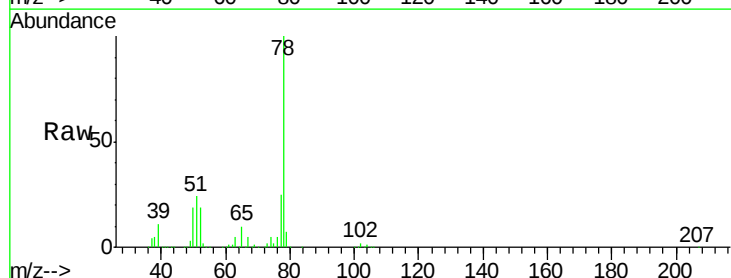
Manual Integrations
APPROVED

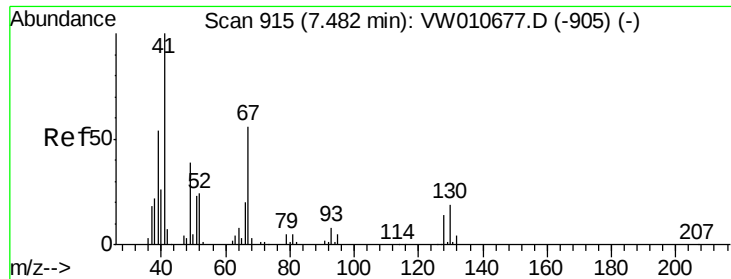
MMDadoda
6/10/2019 12:24:34 PM



#40
Benzene
Concen: 50.962 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7





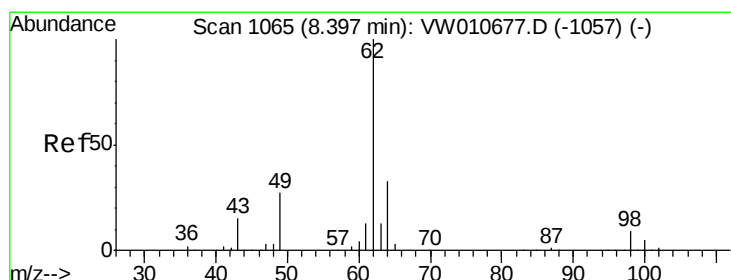
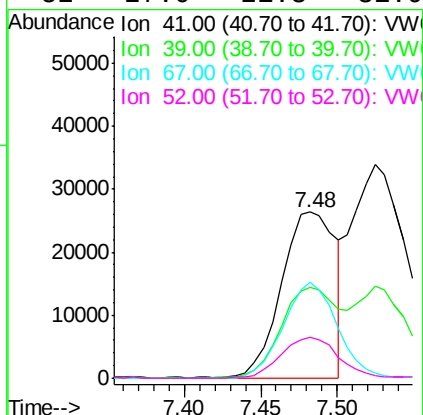
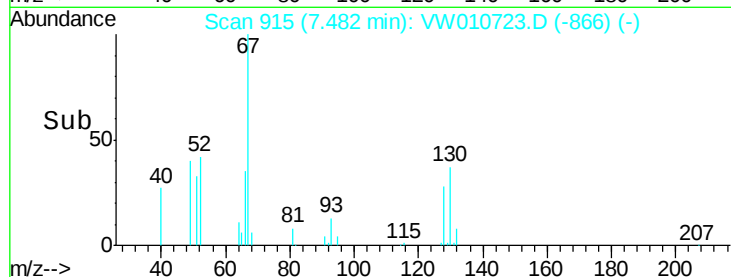
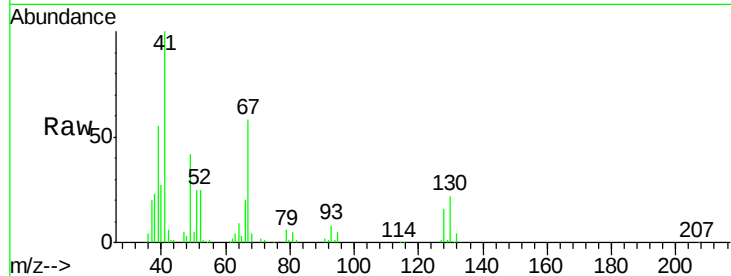
#41
Methacrylonitrile
Concen: 45.474 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	64527
Ion Ratio	Lower	Upper	
41	100		
39	60.3	47.3	70.9
67	58.3	47.2	70.8
52	27.0	21.3	31.9

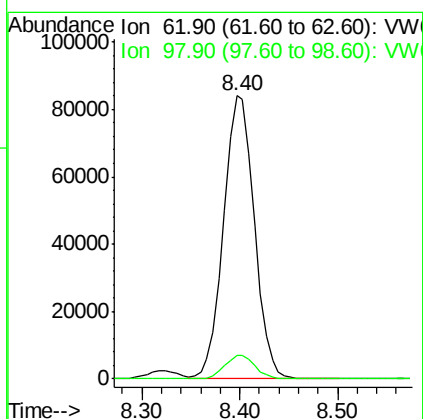
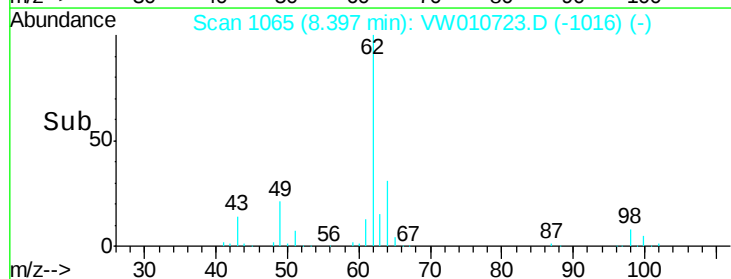
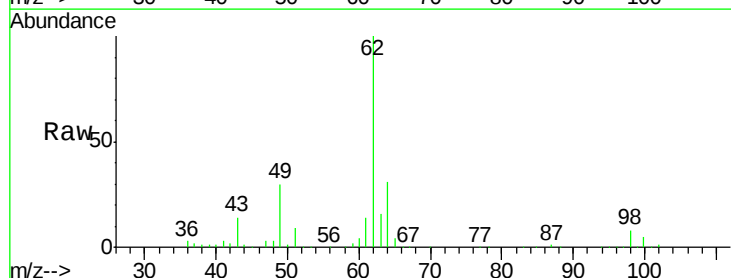
Manual Integrations
APPROVED

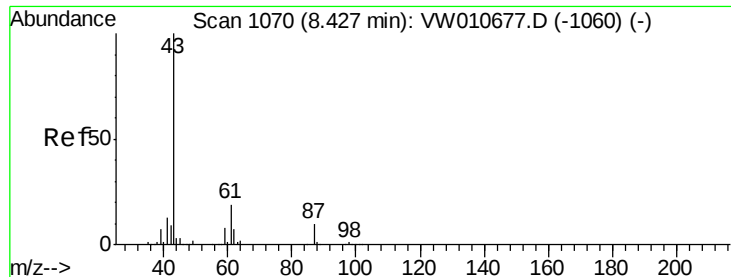
MMDadoda
6/10/2019 12:24:34 PM



#42
1,2-Dichloroethane
Concen: 49.034 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	62	Resp:	182897
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	17.2





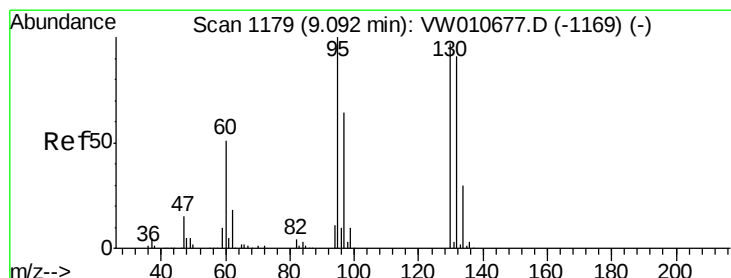
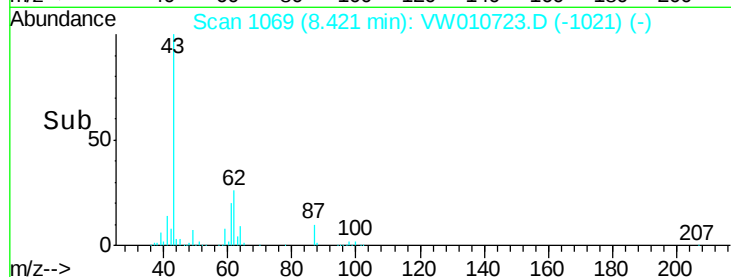
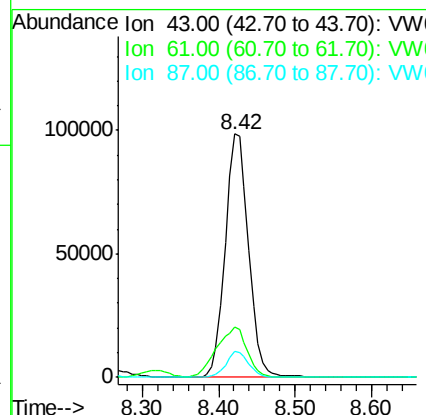
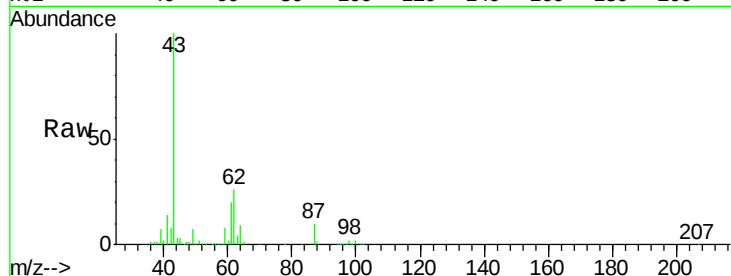
#43
Isopropyl Acetate
Concen: 44.732 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.2	31.8
87	10.5	8.3	12.5

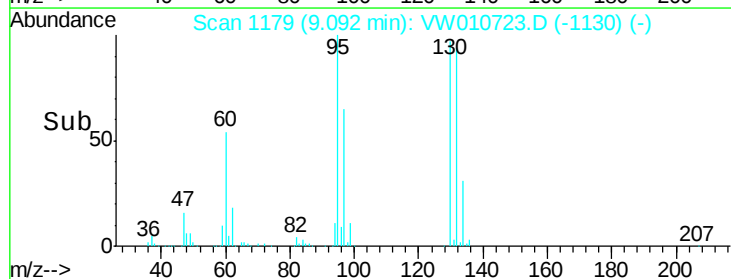
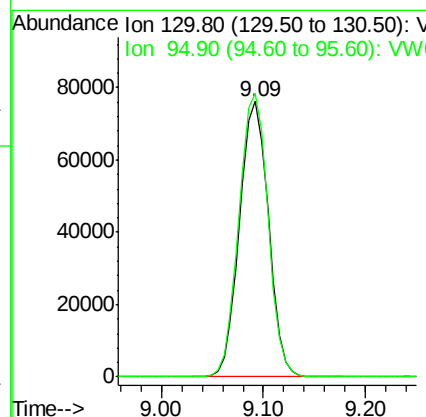
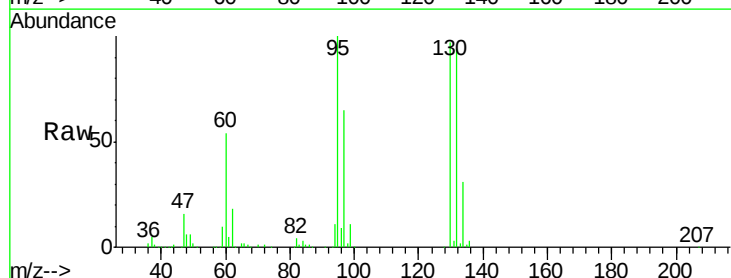
Manual Integrations
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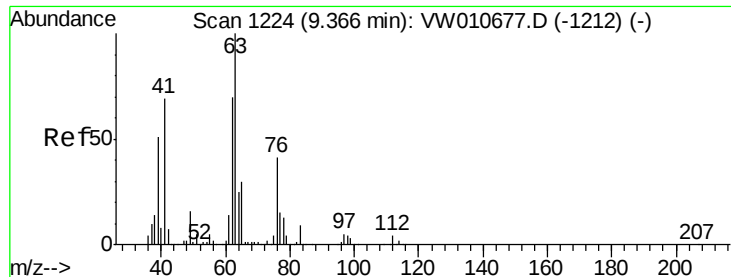
MMDadoda
6/10/2019 12:24:34 PM



#44
Trichloroethene
Concen: 51.705 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 50.618 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 157476

Ion Ratio Lower Upper

63 100

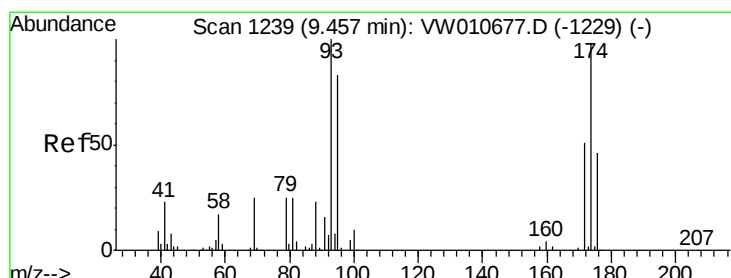
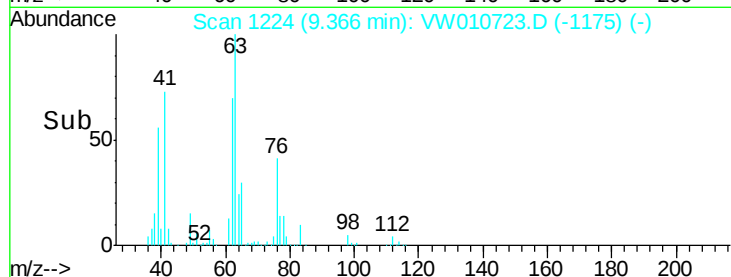
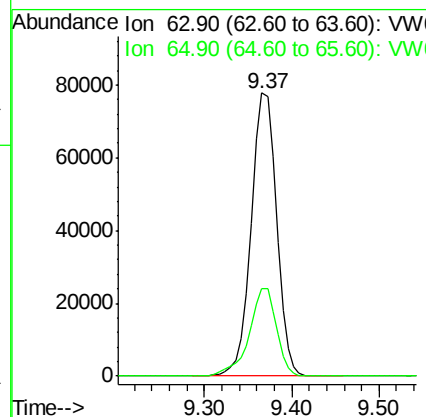
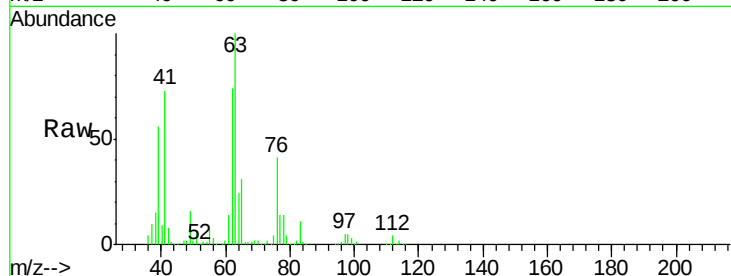
65 30.8 23.8 35.6

Manual Integrations

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MMDadoda

6/10/2019 12:24:34 PM



#46

Dibromomethane

Concen: 47.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

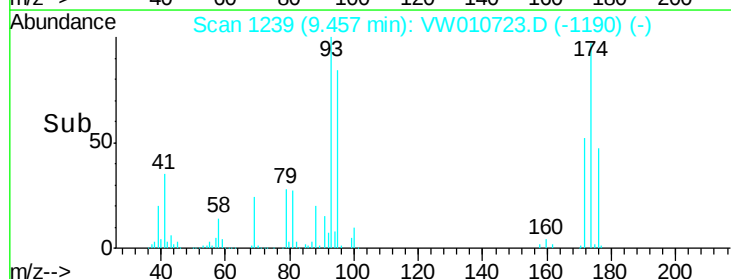
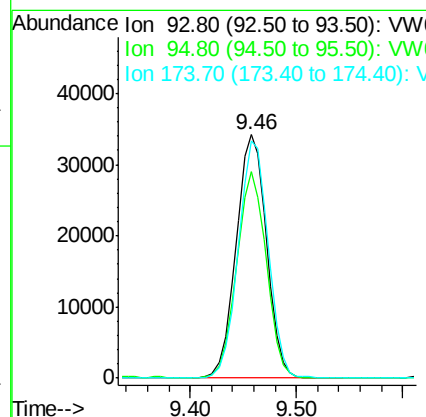
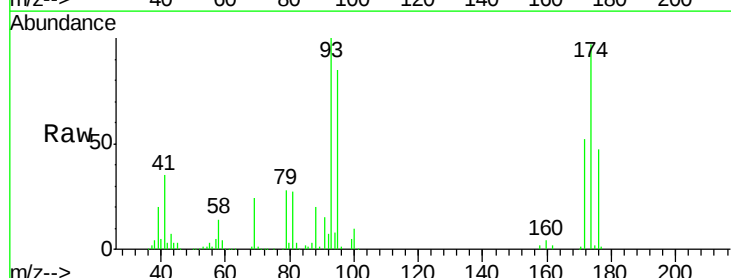
Tgt Ion: 93 Resp: 68475

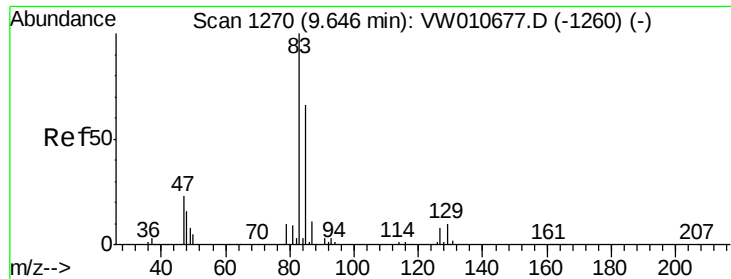
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 96.0 77.4 116.0





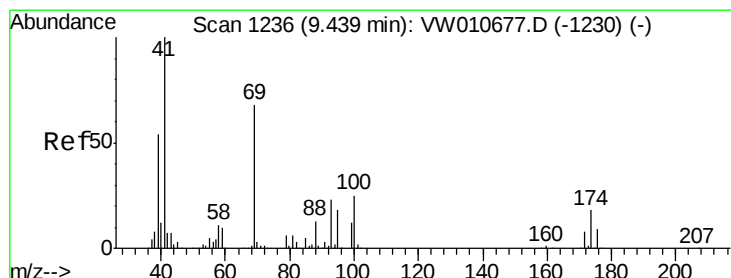
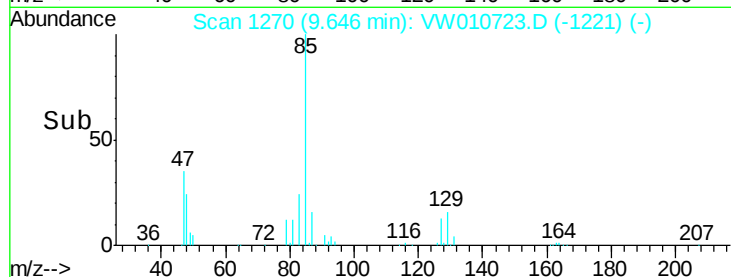
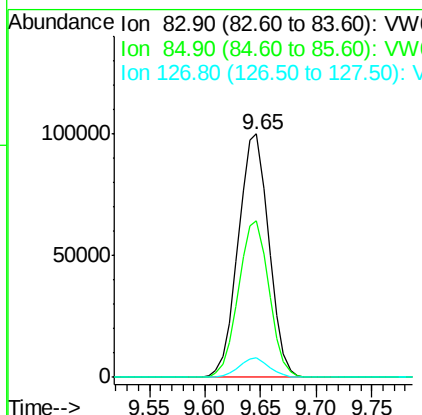
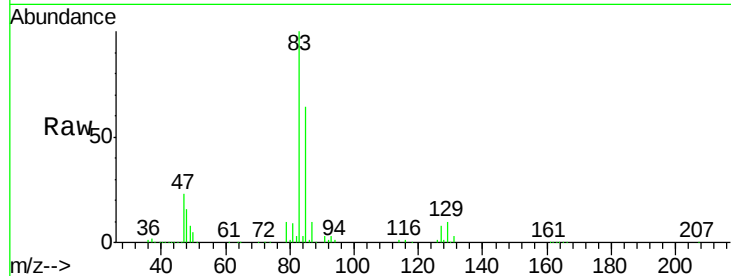
#47
Bromodichloromethane
Concen: 51.136 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	191539
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	53.0	79.4
127	8.1	6.4	9.6

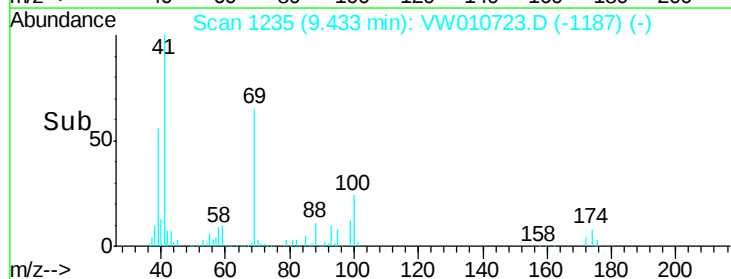
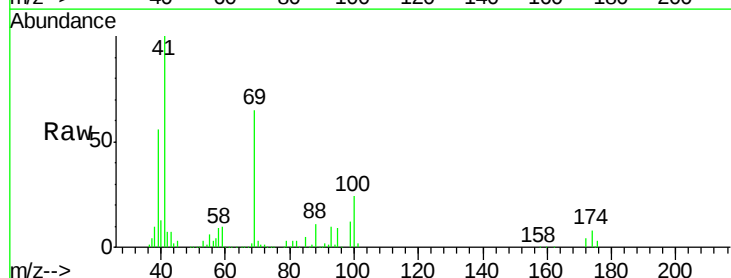
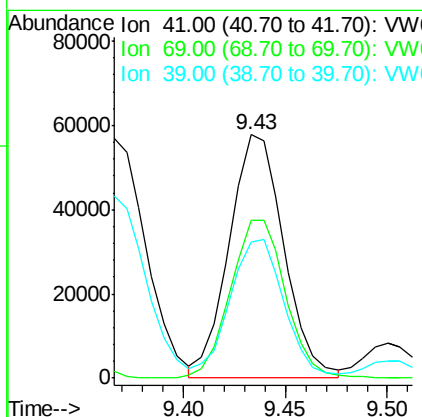
Manual Integrations
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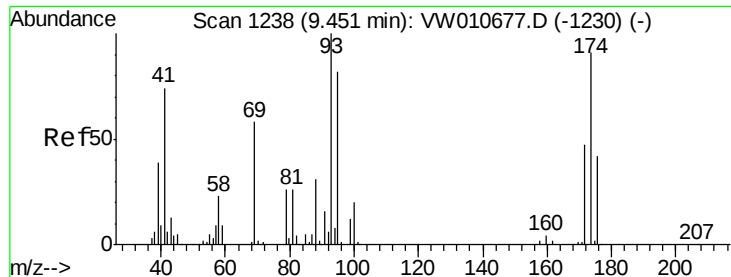
MMDadoda
6/10/2019 12:24:34 PM



#48
Methyl methacrylate
Concen: 48.182 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	41	Resp	107141
Ion Ratio	100	Lower	Upper
41	100		
69	65.9	56.6	85.0
39	53.1	44.4	66.6





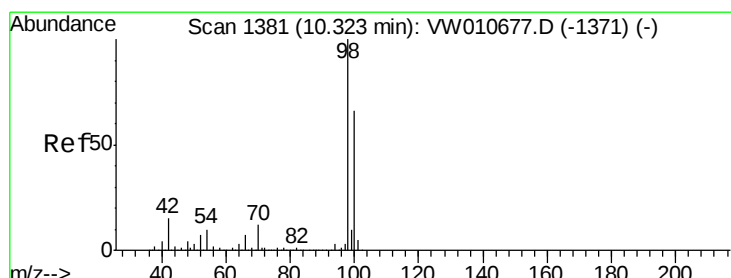
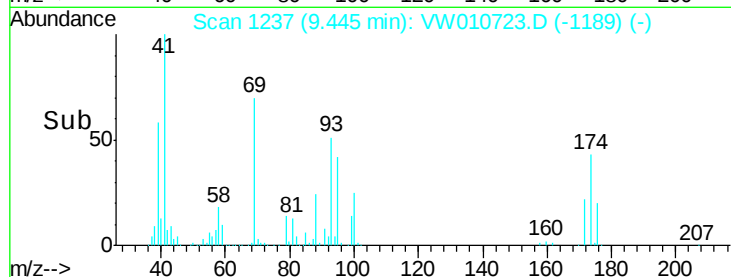
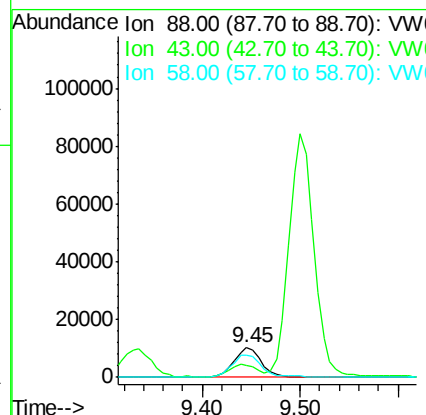
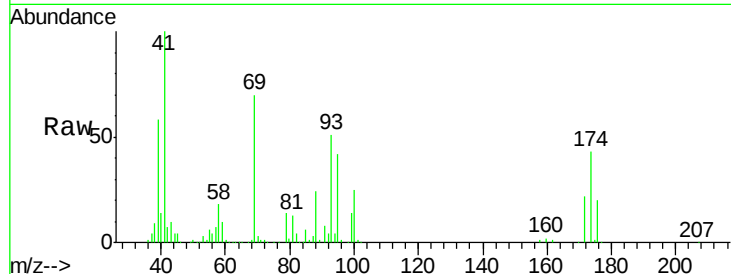
#49
1,4-Dioxane
Concen: 882.173 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 19930
Ion Ratio Lower Upper
88 100
43 42.7 34.2 51.4
58 83.8 69.0 103.4

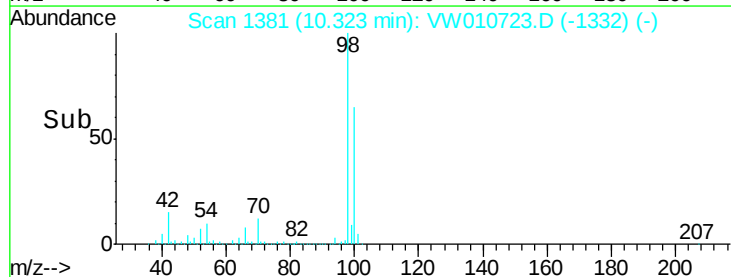
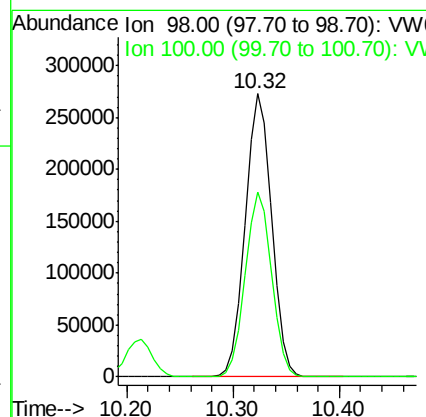
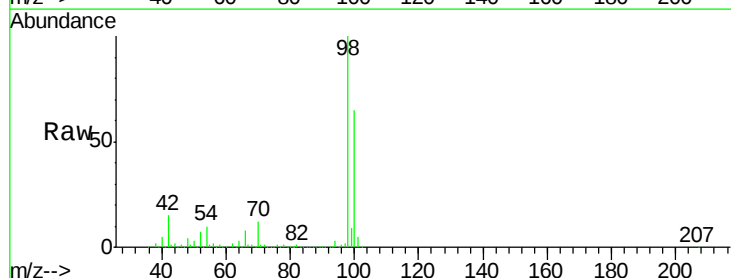
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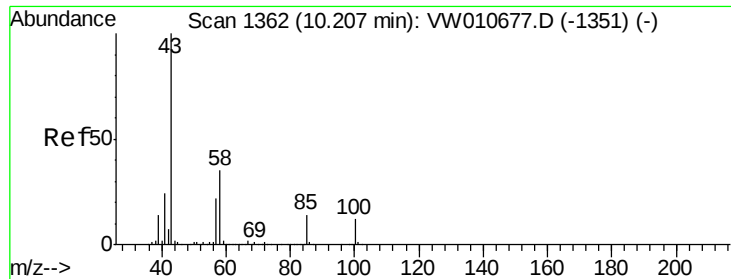
MMDadoda
6/10/2019 12:24:34 PM



#50
Toluene-d8
Concen: 47.671 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion: 98 Resp: 477528
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 220.394 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 519282

Ion Ratio Lower Upper

43 100

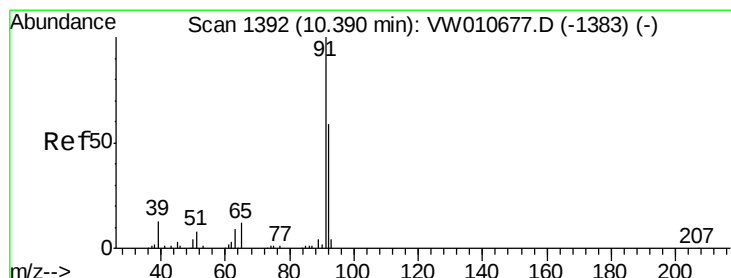
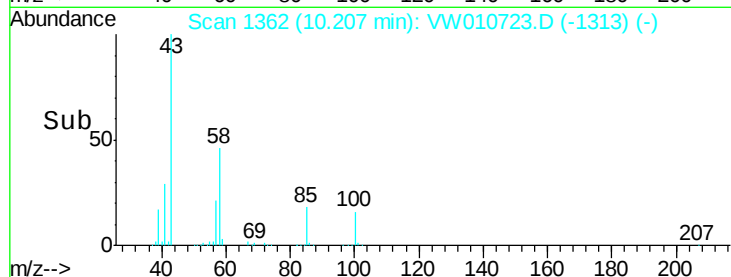
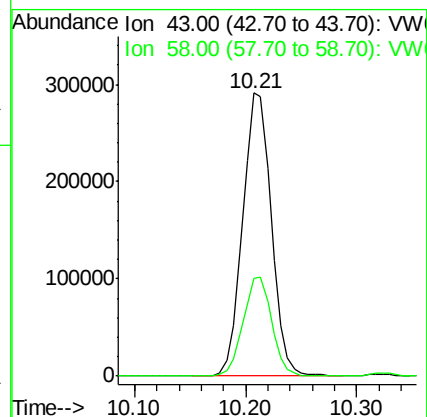
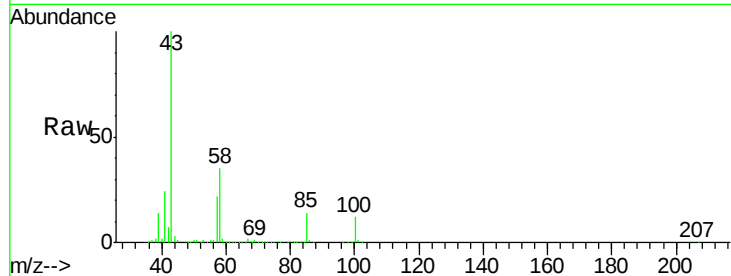
58 35.1 28.4 42.6

Manual Integrations

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6/10/2019 12:24:34 PM



#52

Toluene

Concen: 51.522 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010723.D

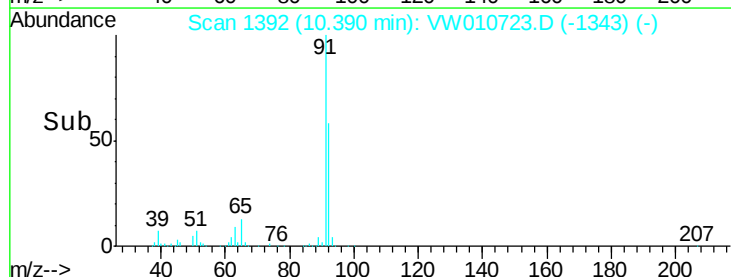
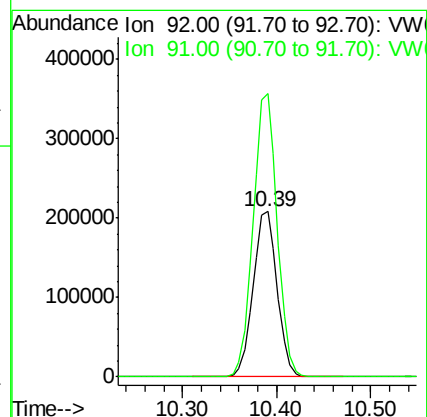
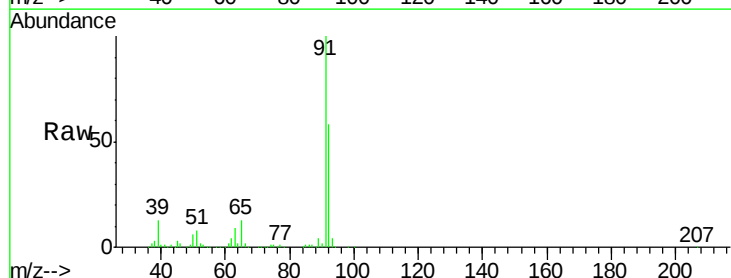
Acq: 07 Jun 2019 10:58

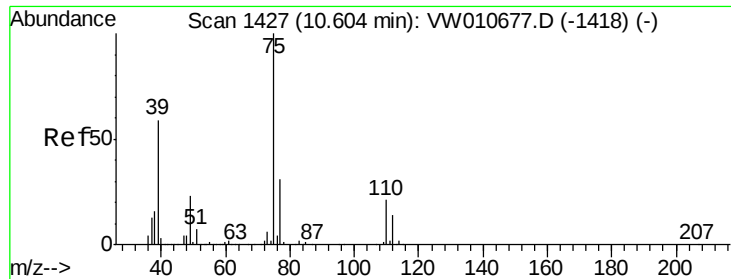
Tgt Ion: 92 Resp: 372556

Ion Ratio Lower Upper

92 100

91 171.4 134.9 202.3





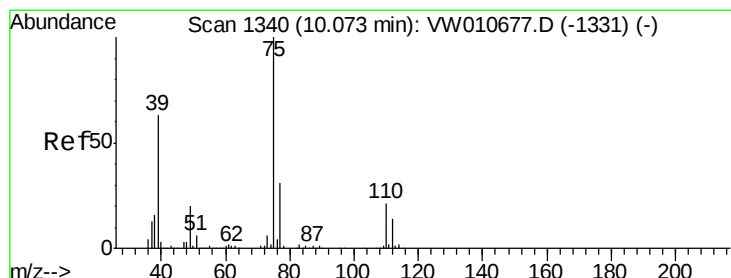
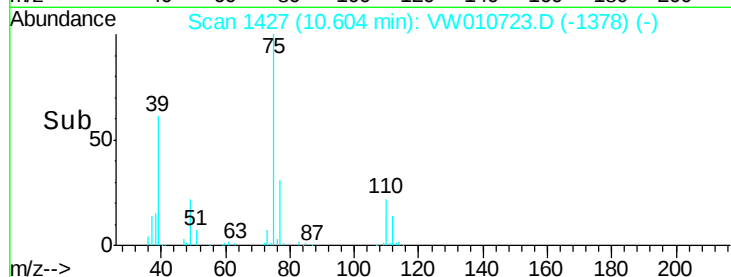
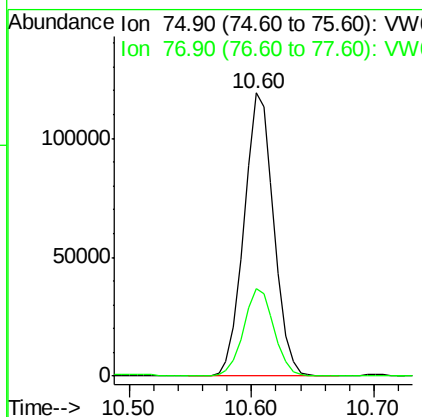
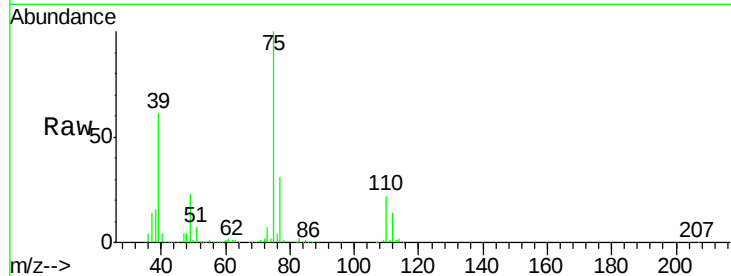
#53
t-1,3-Dichloropropene
Concen: 50.581 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 200676
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8

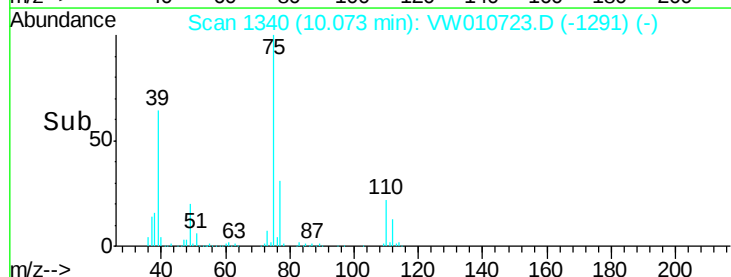
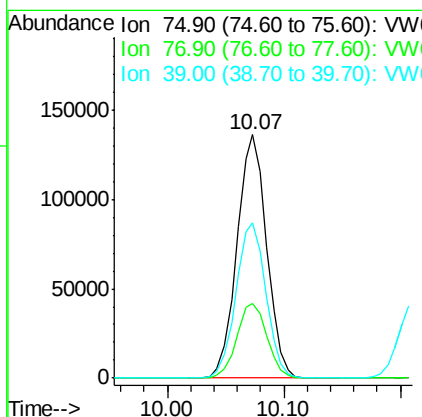
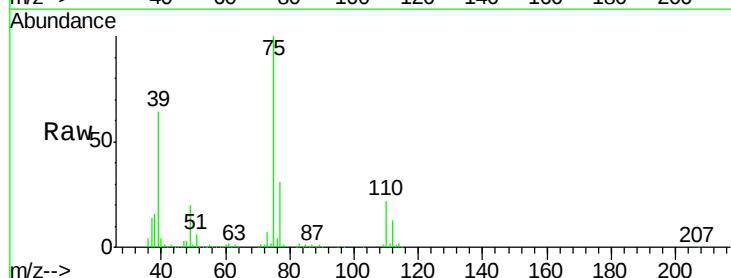
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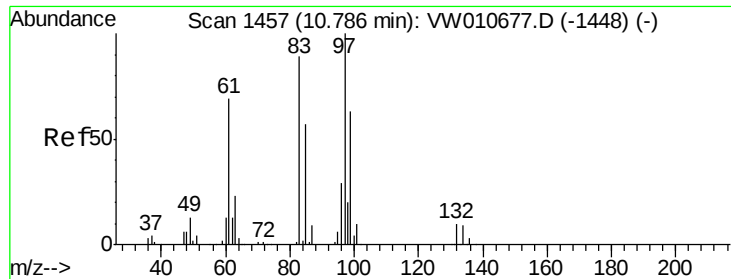
MMDadoda
6/10/2019 12:24:34 PM



#54
cis-1,3-Dichloropropene
Concen: 51.823 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion: 75 Resp: 241934
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 63.6 50.1 75.1





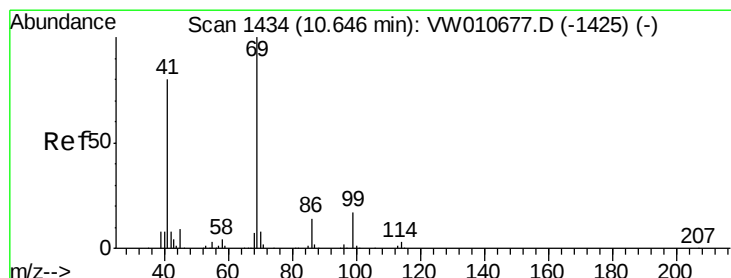
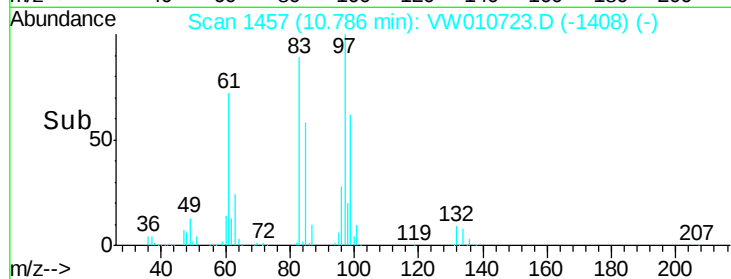
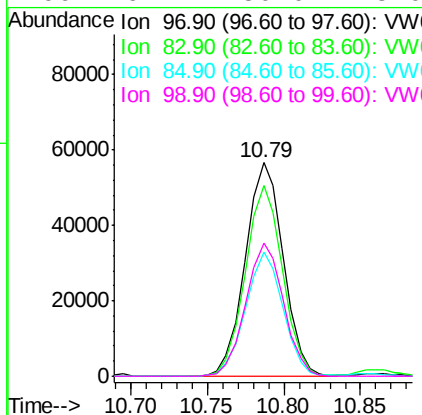
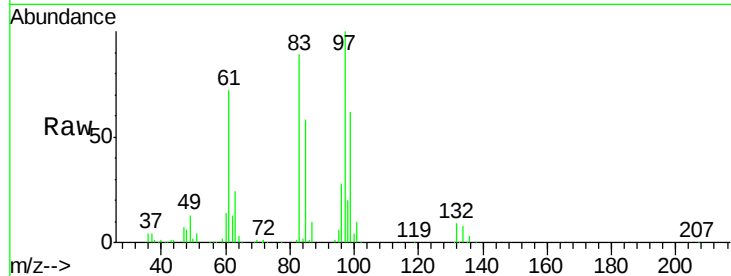
#55
 1,1,2-Trichloroethane
 Concen: 47.008 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97855
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.1	106.7
85	58.1	45.2	67.8
99	62.4	50.0	75.0

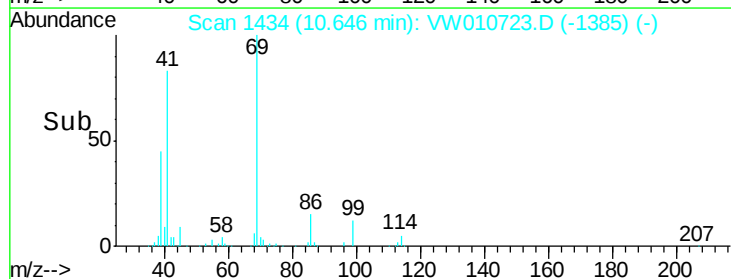
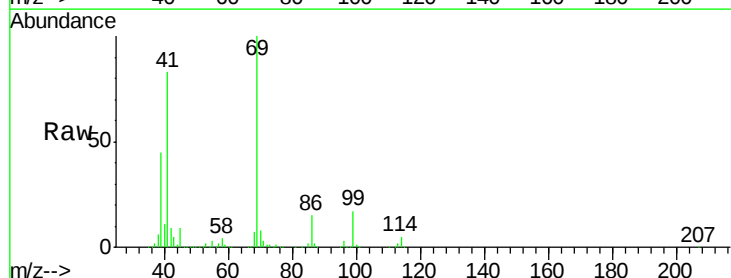
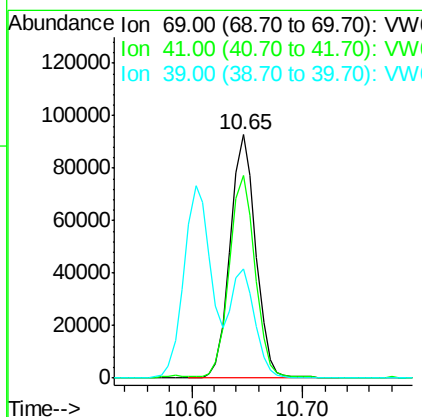
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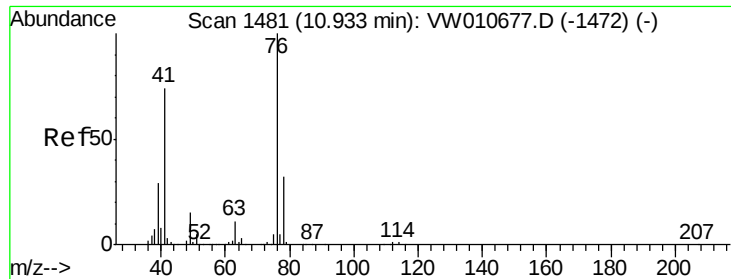
MMDadoda
 6/10/2019 12:24:34 PM



#56
 Ethyl methacrylate
 Concen: 46.223 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion:	69	Resp:	148059
Ion	Ratio	Lower	Upper
69	100		
41	83.0	64.8	97.2
39	42.0	32.2	48.2





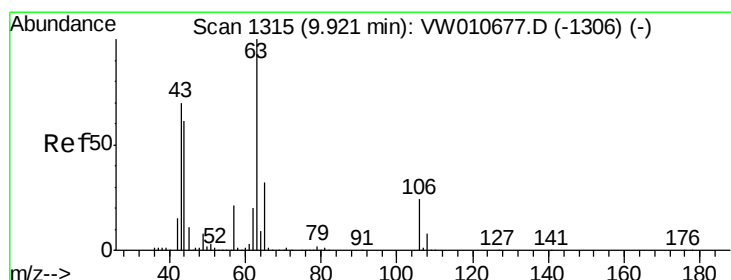
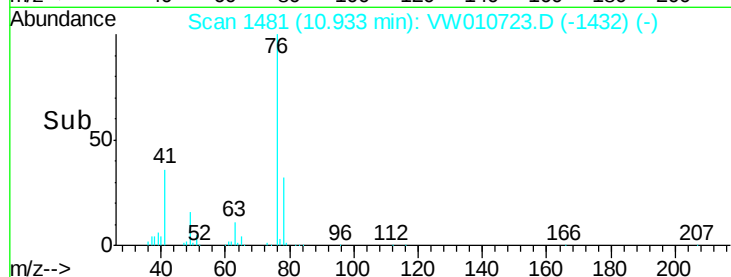
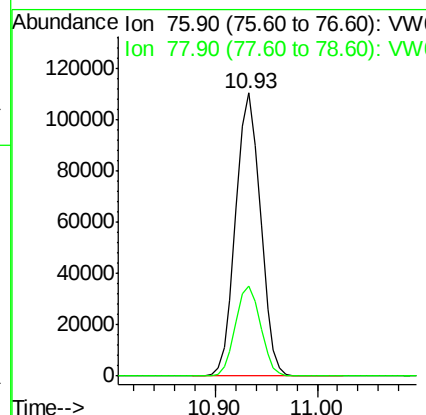
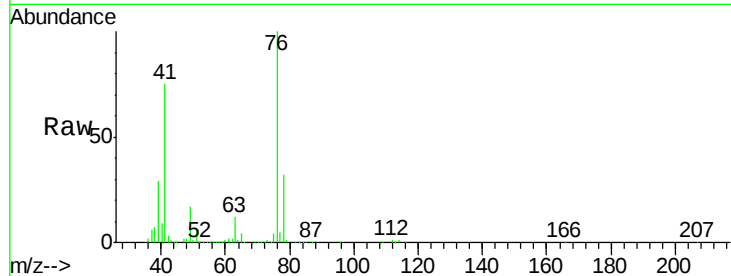
#57
 1,3-Dichloropropane
 Concen: 47.363 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 185806
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

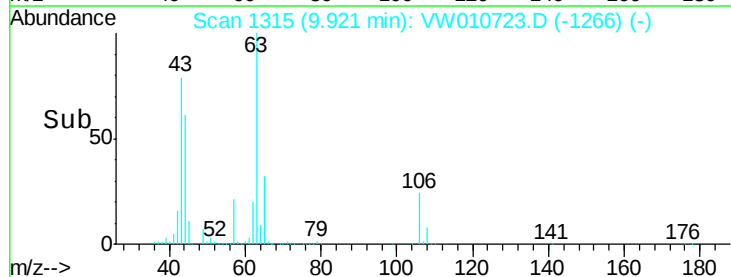
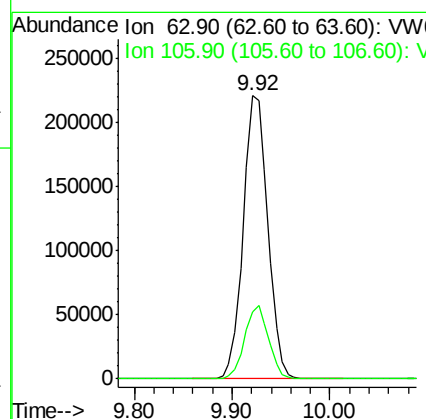
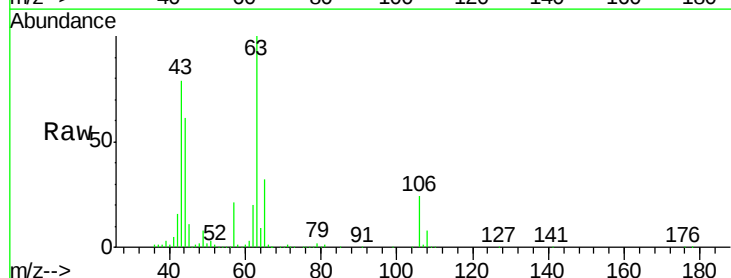
Manual Integrations
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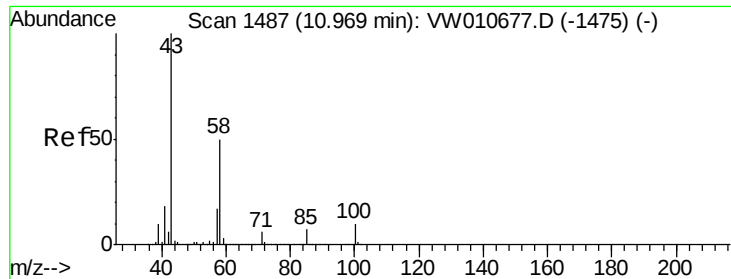
MMDadoda
 6/10/2019 12:24:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.401 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion: 63 Resp: 384874
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.1 30.1





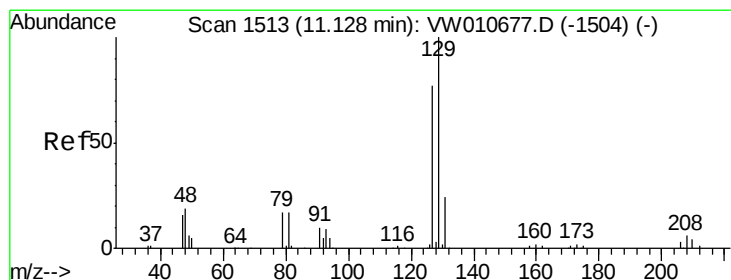
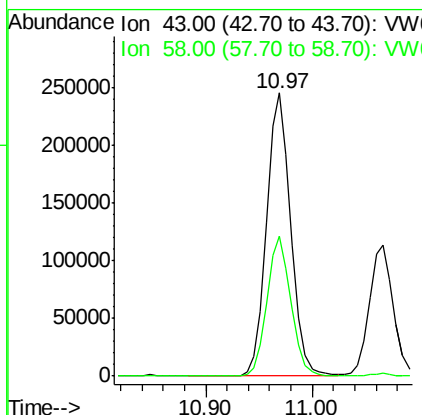
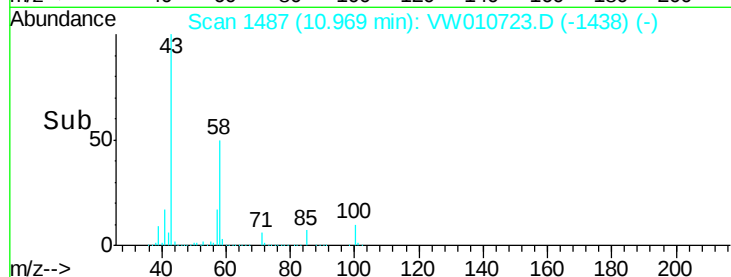
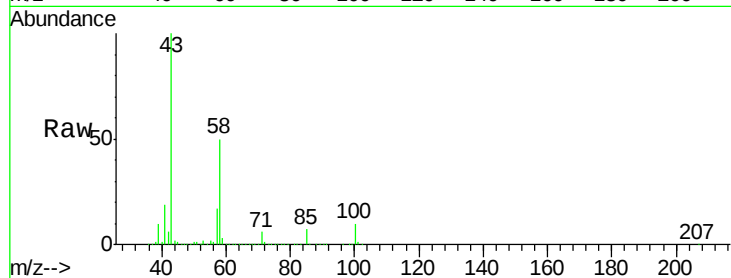
#59
2-Hexanone
Concen: 228.697 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 389436
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.6

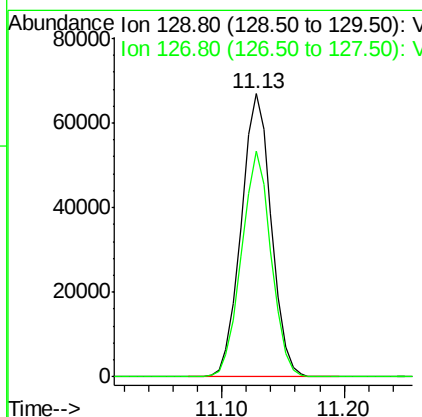
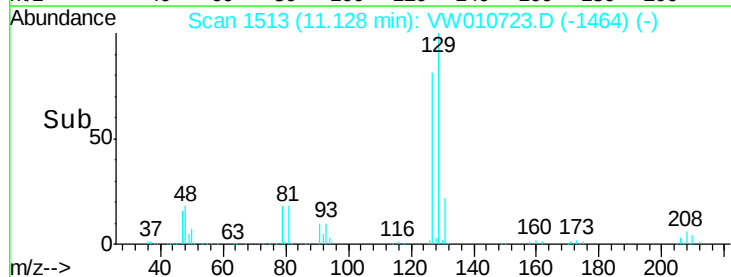
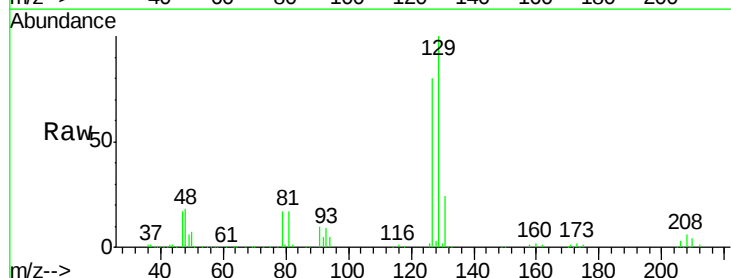
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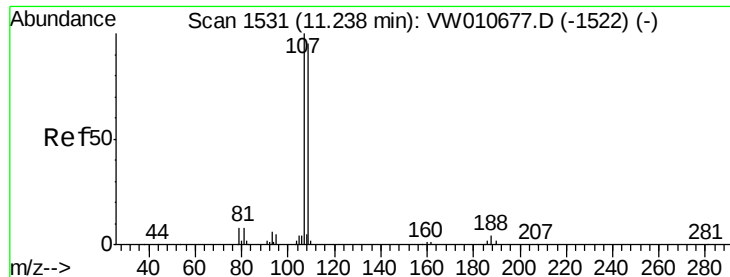
MMDadoda
6/10/2019 12:24:34 PM



#60
Dibromochloromethane
Concen: 49.423 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion: 129 Resp: 114048
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





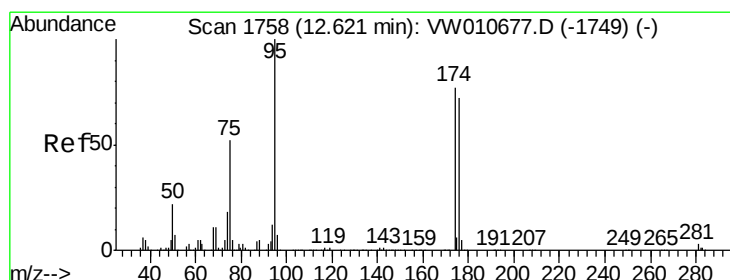
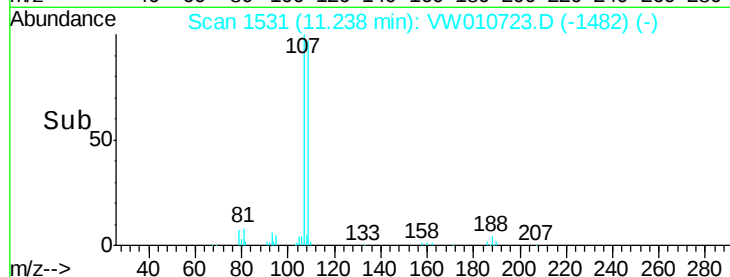
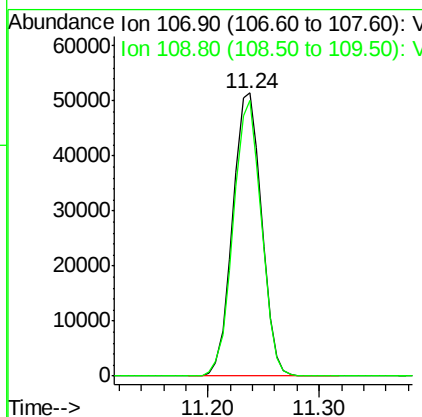
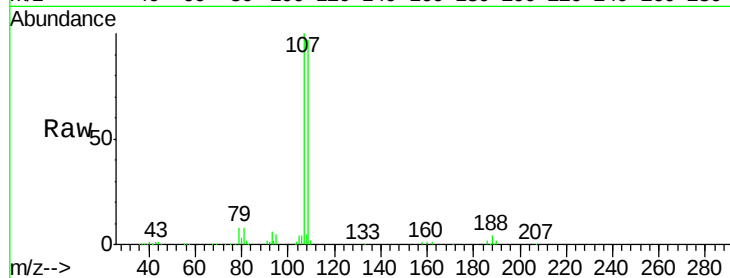
#61
 1,2-Dibromoethane
 Concen: 46.870 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 92442
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.8 113.8

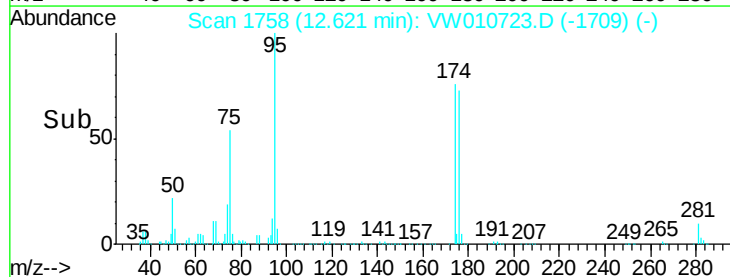
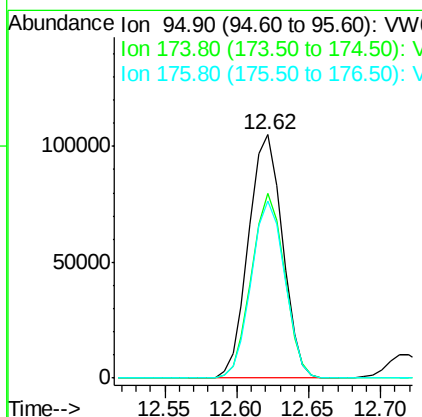
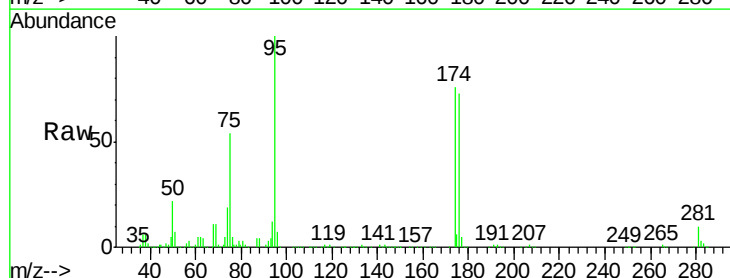
Manual Integrations
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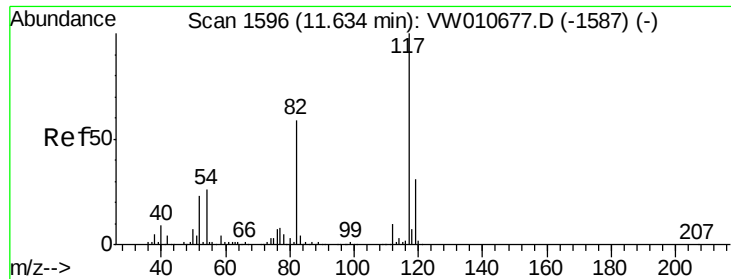
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.196 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion: 95 Resp: 172036
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 150.4
 176 71.9 0.0 144.8





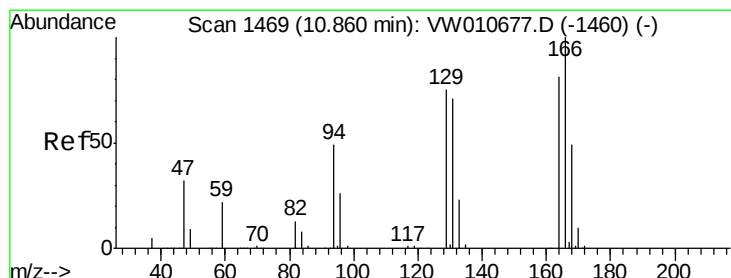
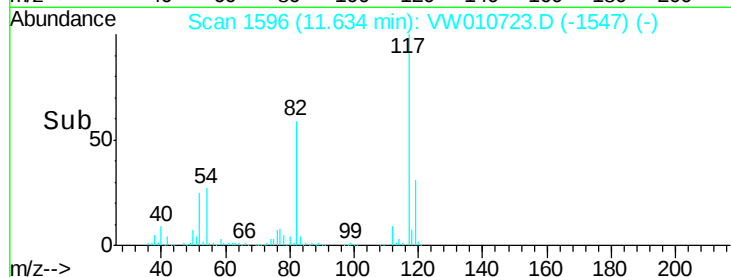
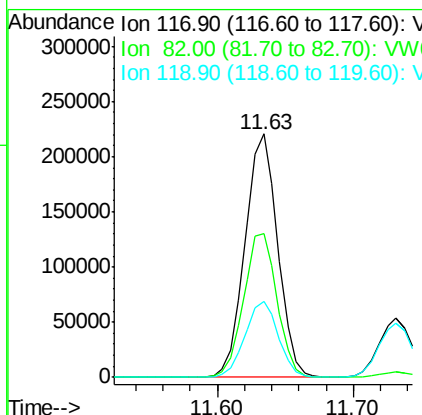
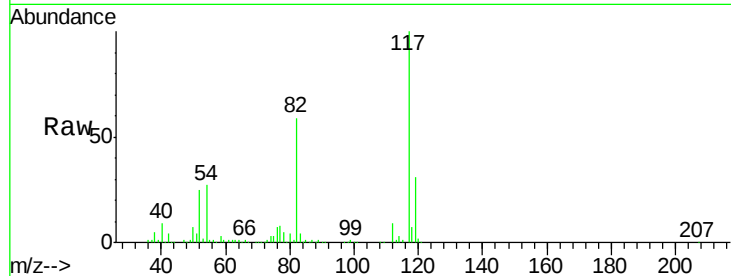
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370112		
82	59.0	47.0	70.4	
119	31.3	25.1	37.7	

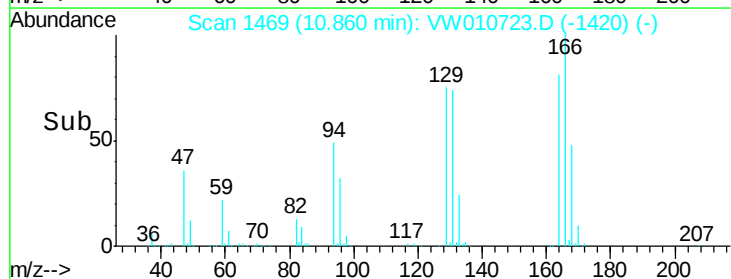
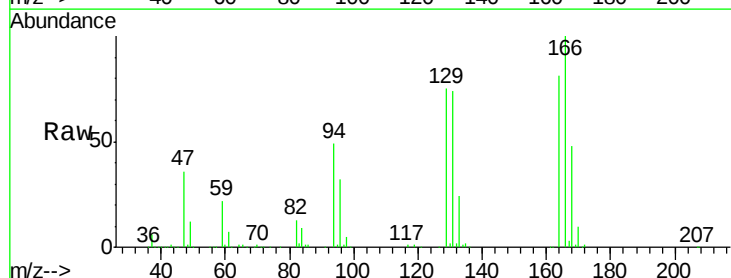
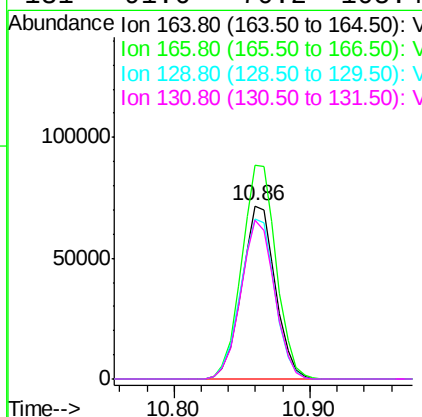
Manual Integrations
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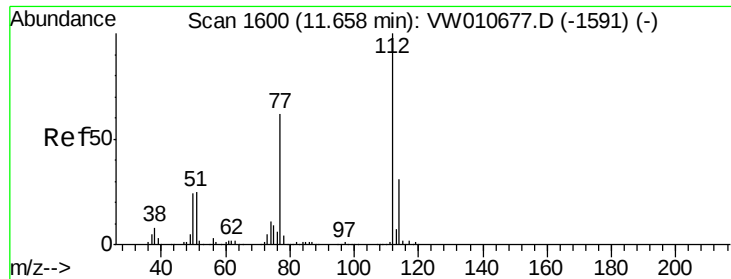
MMDadoda
6/10/2019 12:24:34 PM



#64
Tetrachloroethene
Concen: 50.101 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	123118		
166	123.6	99.2	148.8	
129	92.9	74.6	112.0	
131	91.6	70.2	105.4	





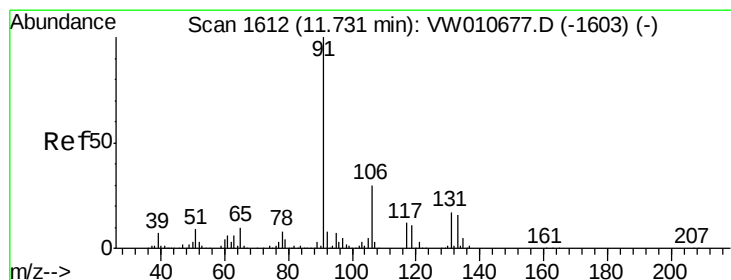
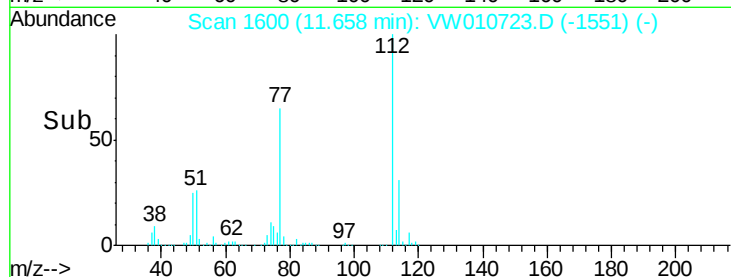
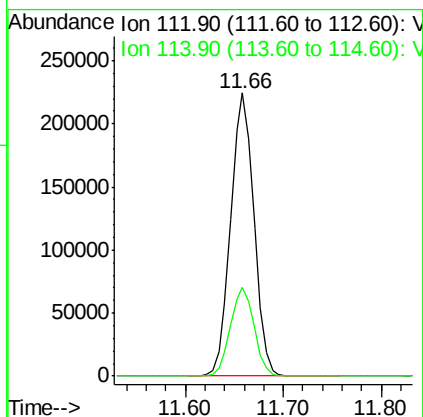
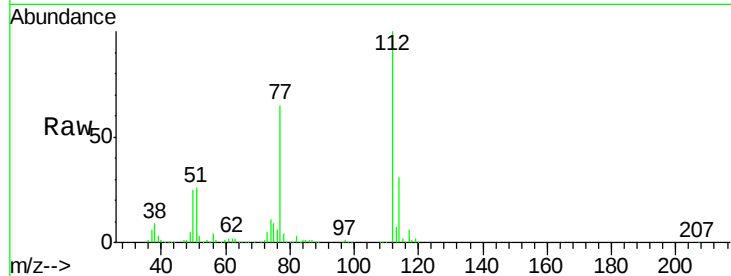
#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.8	37.2

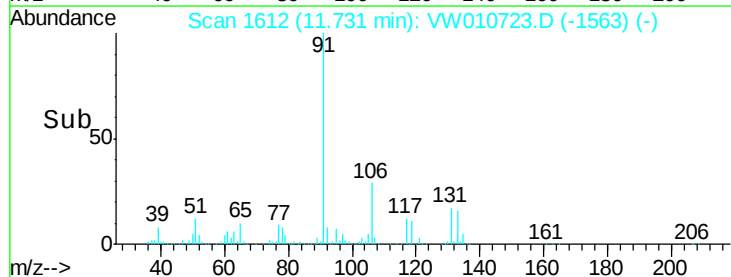
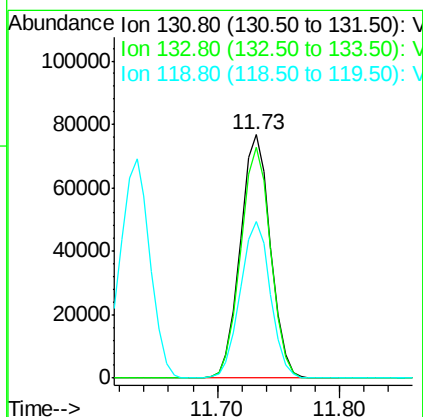
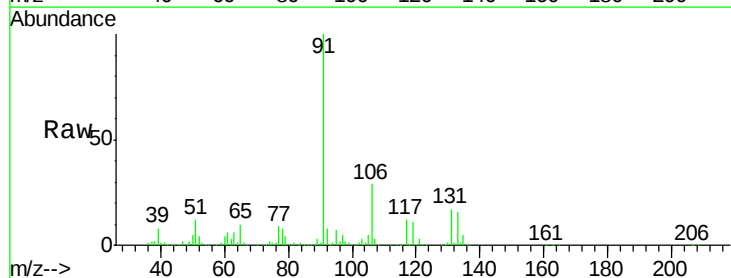
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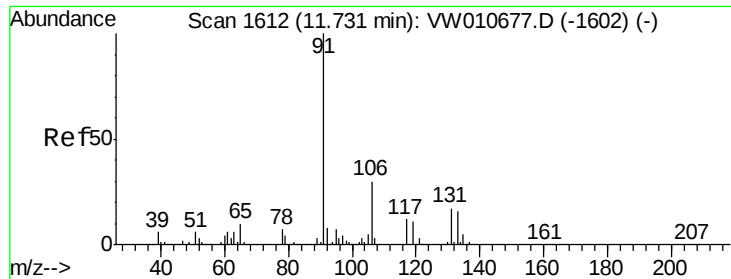
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.873 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	141.9
119	64.4	32.4	97.0





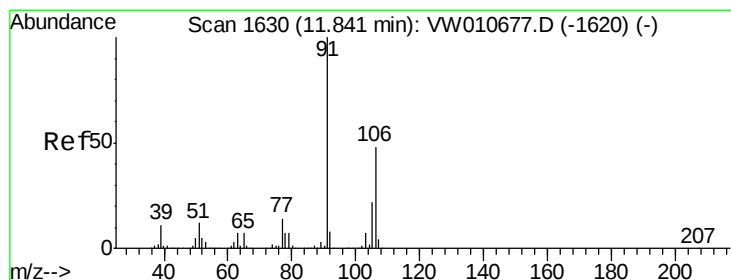
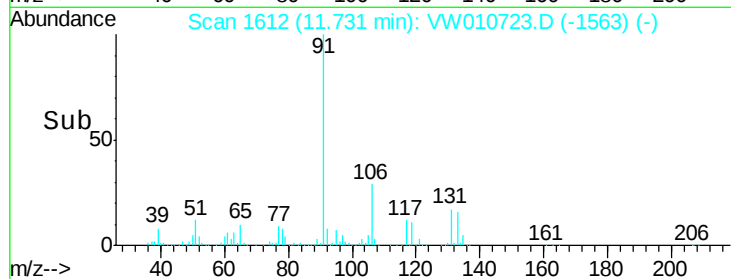
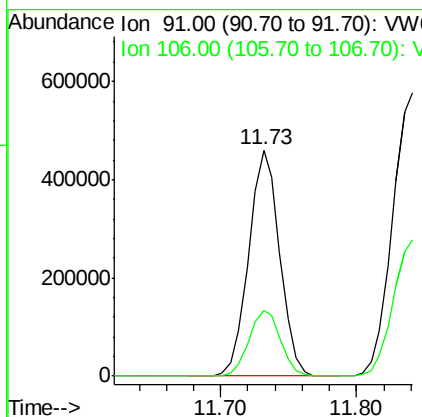
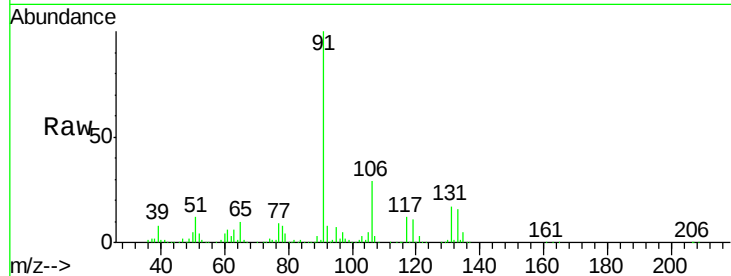
#67
Ethyl Benzene
Concen: 52.393 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.4

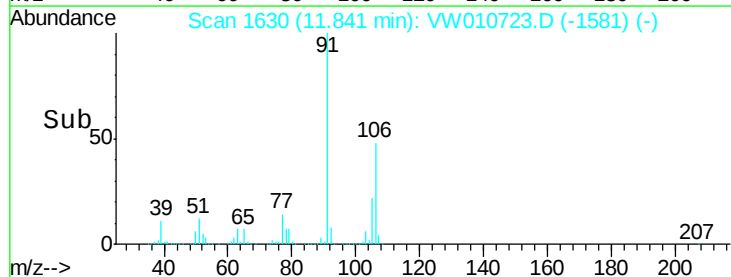
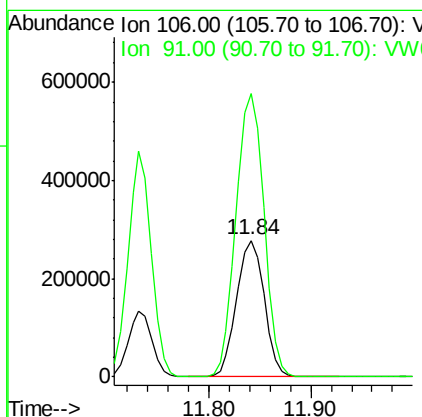
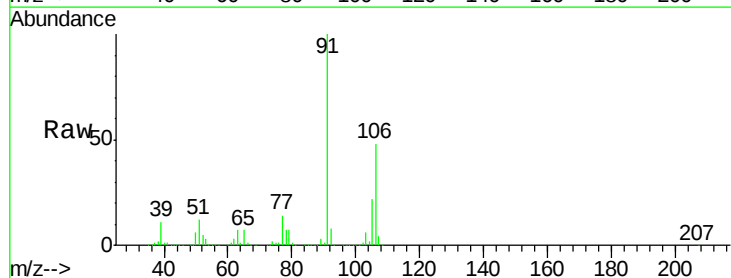
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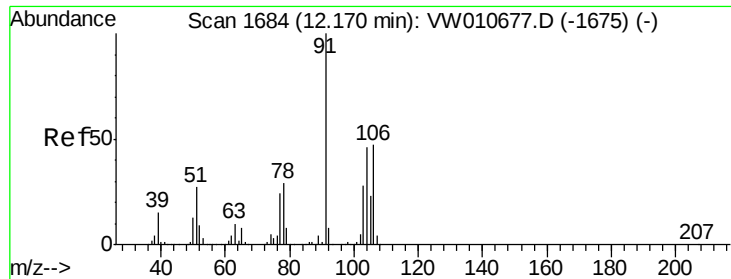
MMDadoda
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#68
m/p-Xylenes
Concen: 104.215 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.3	166.5	249.7





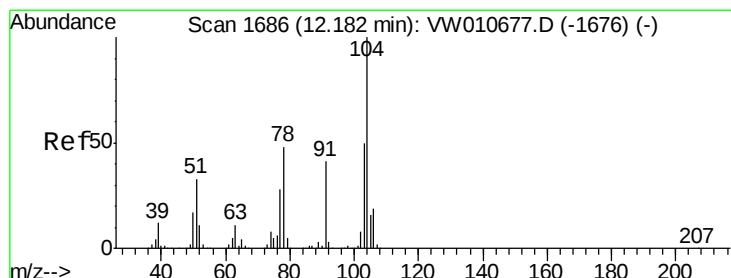
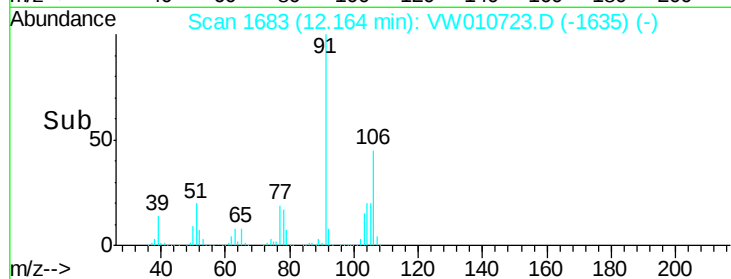
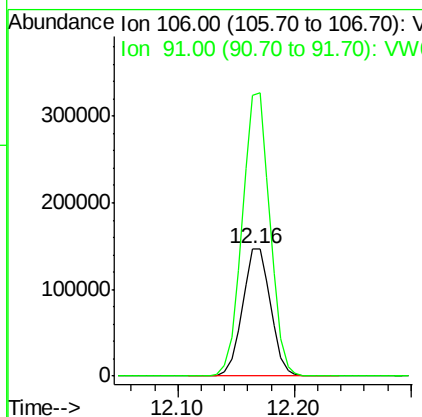
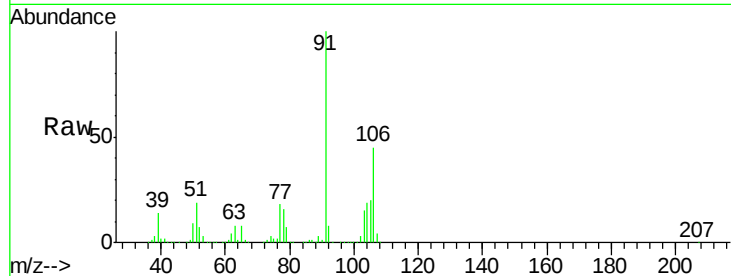
#69
o-Xylene
Concen: 51.983 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	246862		
91	219.3	108.9	326.6	

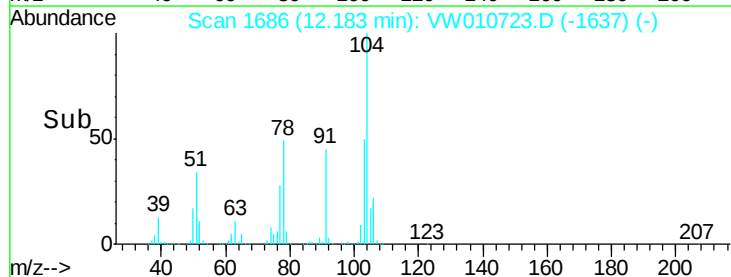
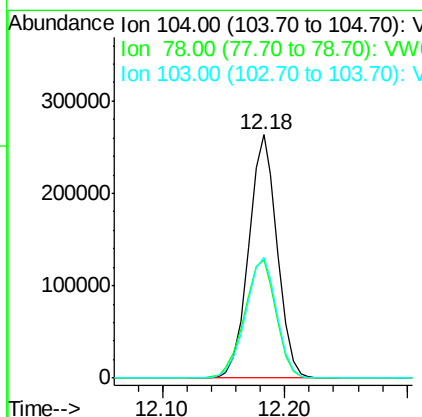
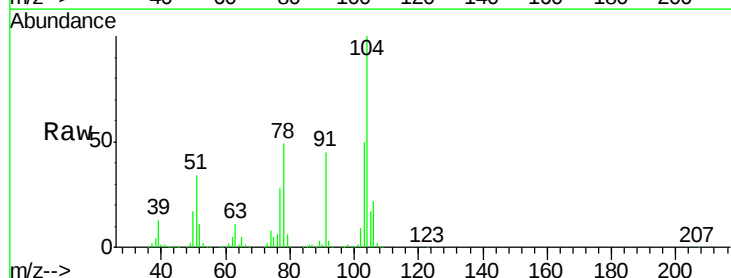
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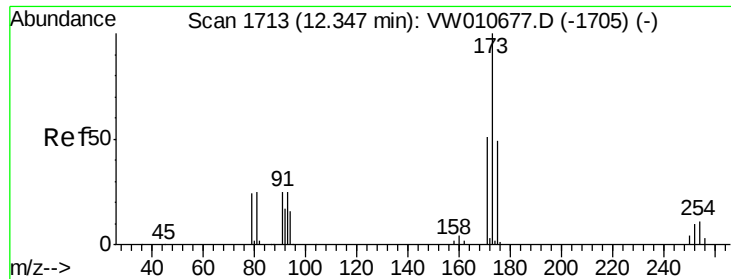
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#70
Styrene
Concen: 51.602 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	425697		
78	54.2	42.7	64.1	
103	54.0	43.6	65.4	





#71

Bromoform

Concen: 46.876 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61081

Ion Ratio Lower Upper

173 100

175 49.8 24.3 72.8

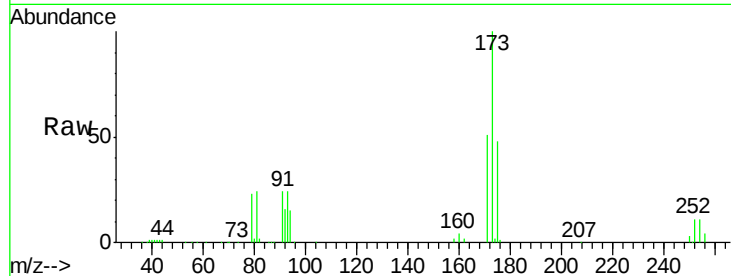
254 0.1 0.1 0.1#

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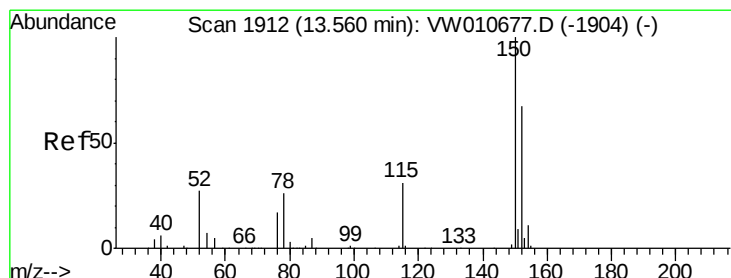
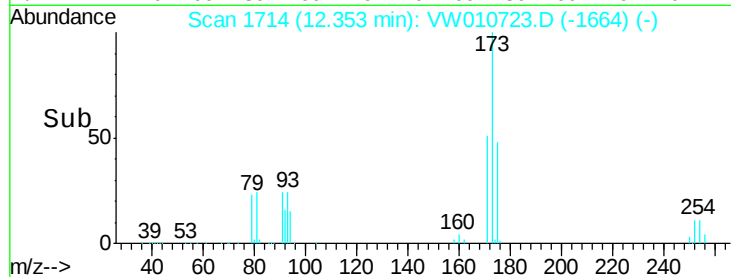
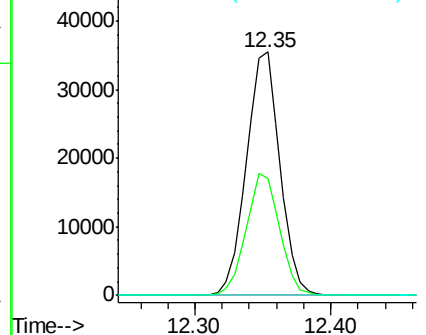
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

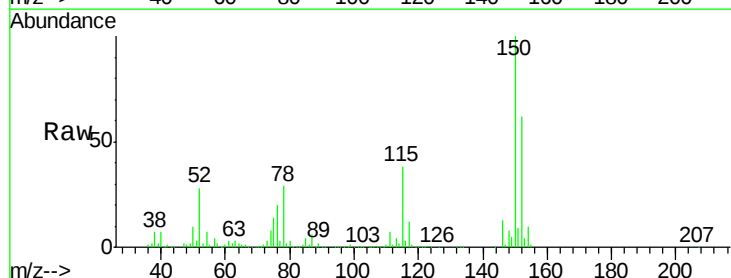
Tgt Ion:152 Resp: 172347

Ion Ratio Lower Upper

152 100

115 60.7 29.8 89.3

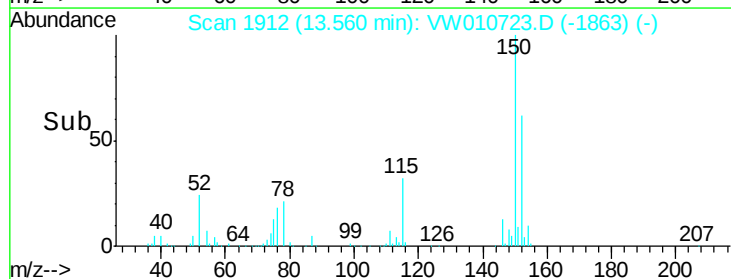
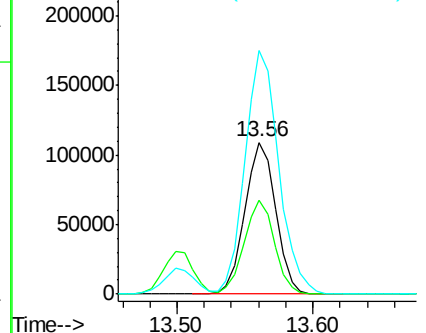
150 175.8 0.0 345.0

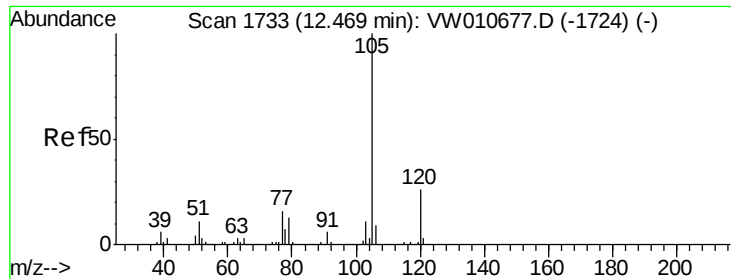


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.564 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 693725

Ion Ratio Lower Upper

105 100

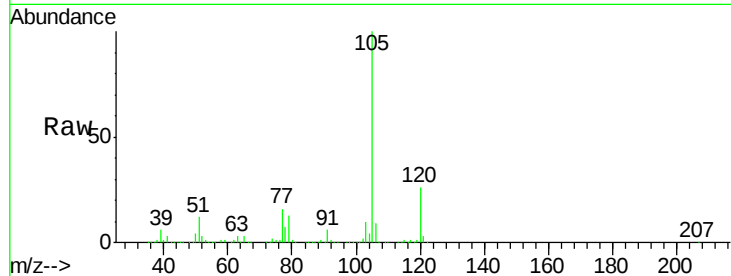
120 25.7 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

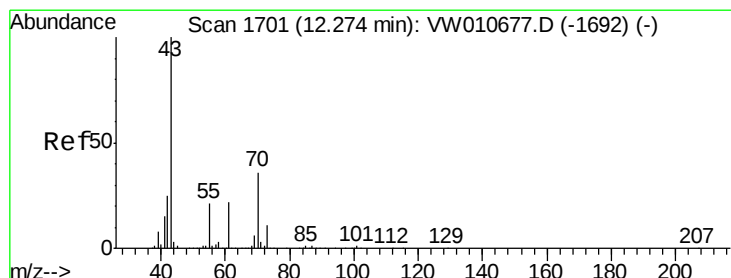
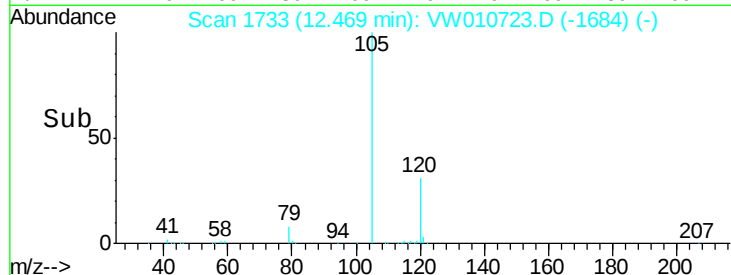
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.358 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion: 43 Resp: 198224

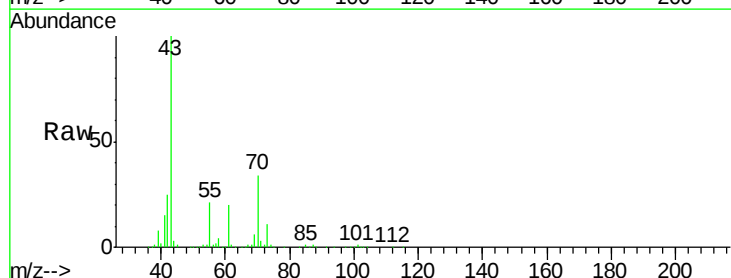
Ion Ratio Lower Upper

43 100

70 35.2 29.2 43.8

55 21.7 17.5 26.3

61 21.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

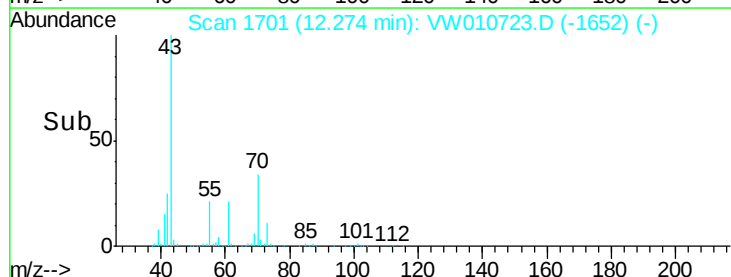
150000

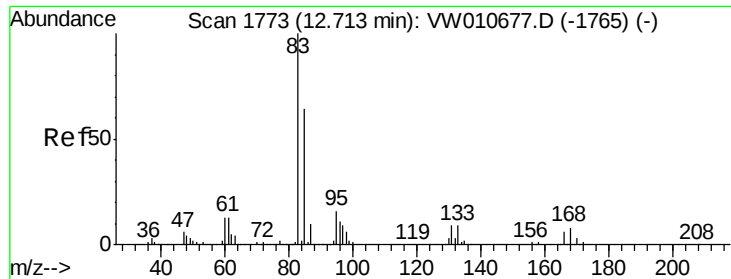
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.926 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

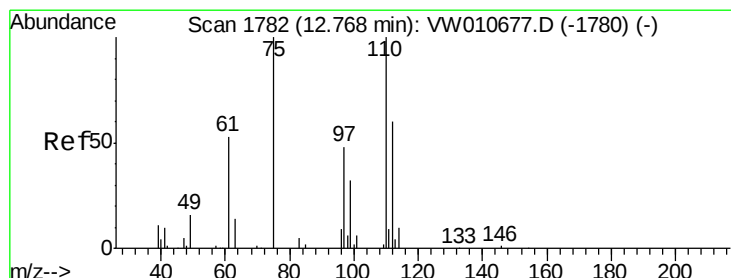
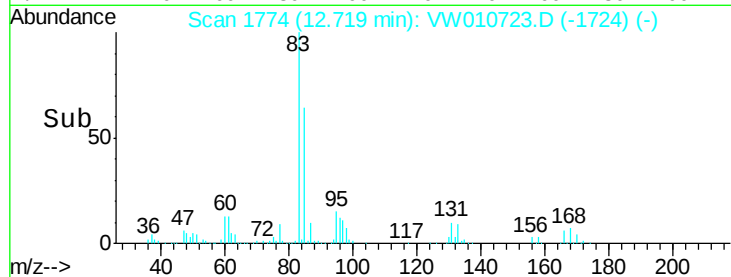
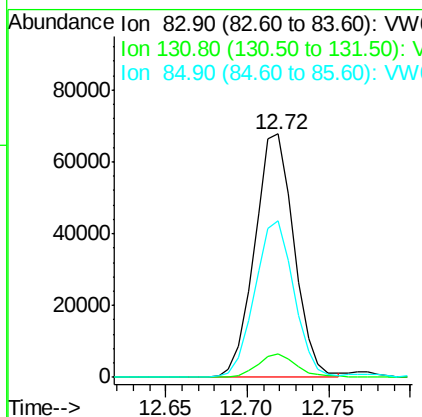
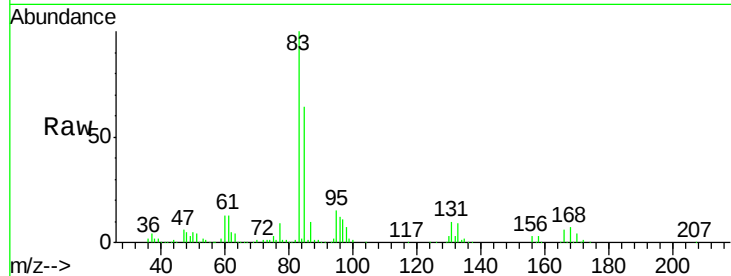
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113234
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 46.897 ug/l m

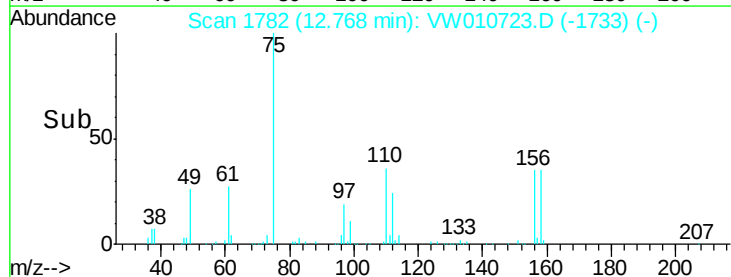
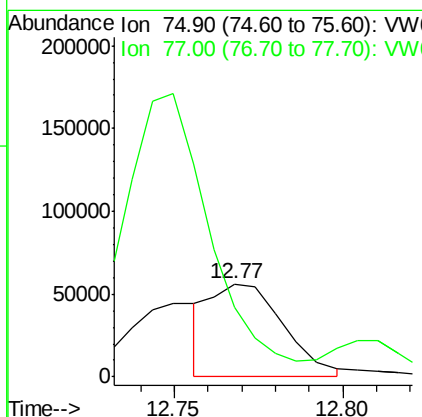
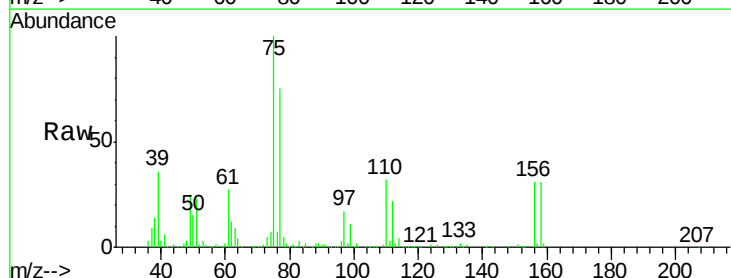
RT: 12.77 min Scan# 1782

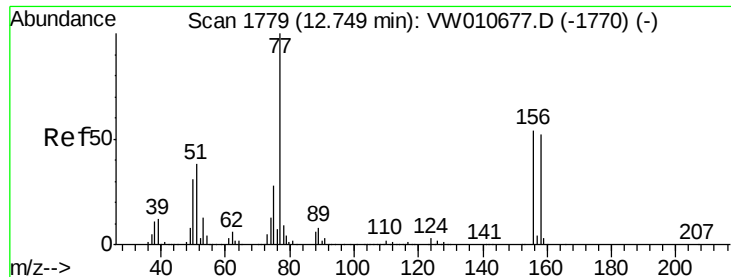
Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion:	75	Resp:	84877
Ion Ratio	Lower	Upper	
75	100		
77	362.9	0.0	0.0#





#77

Bromobenzene

Concen: 51.439 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 145420

Ion Ratio Lower Upper

156 100

77 211.8 106.5 319.4

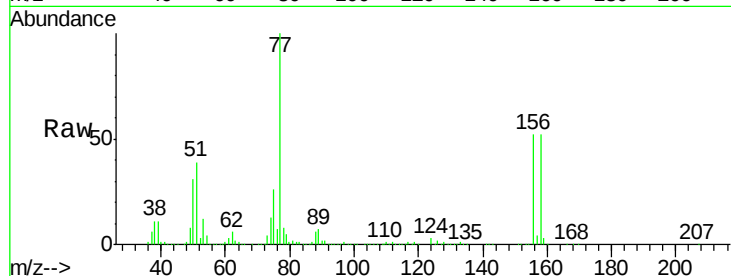
158 97.4 48.3 144.9

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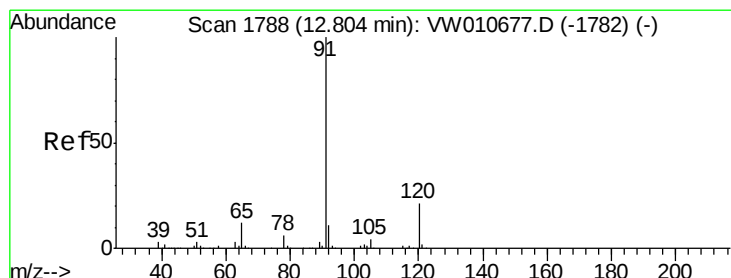
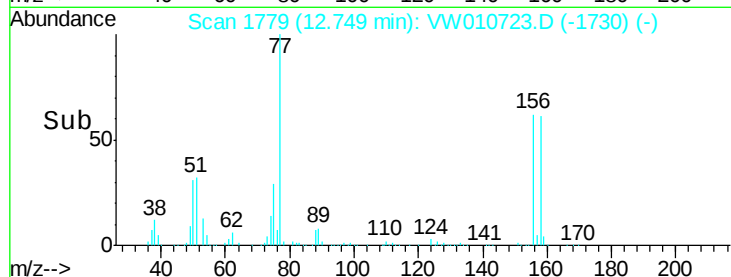
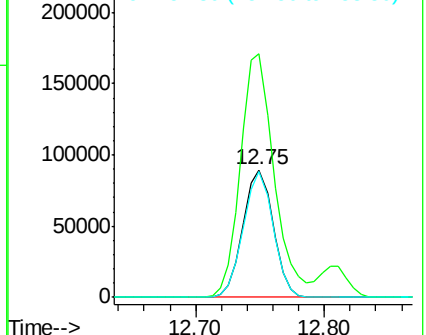
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.941 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010723.D

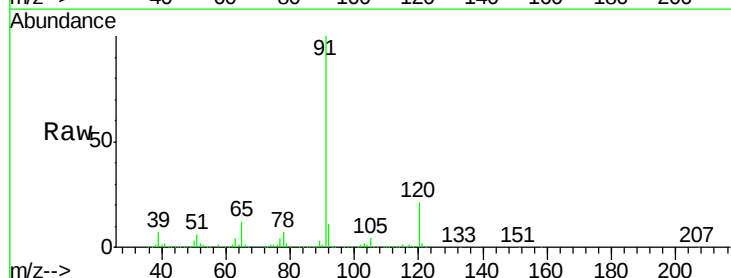
Acq: 07 Jun 2019 10:58

Tgt Ion: 91 Resp: 842373

Ion Ratio Lower Upper

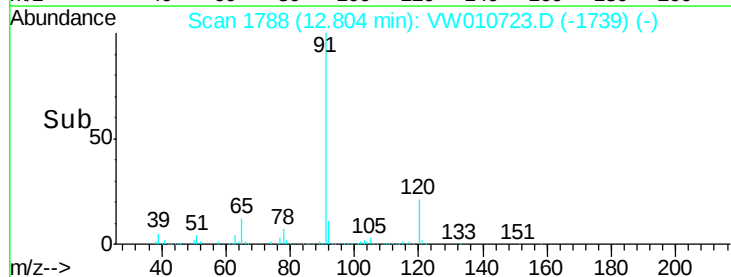
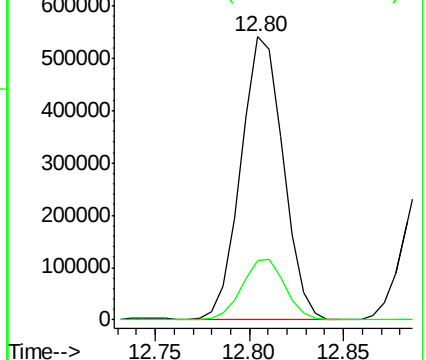
91 100

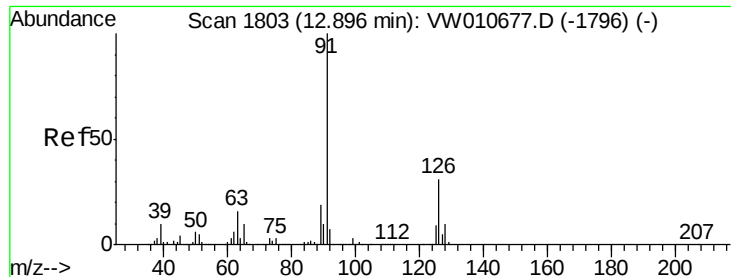
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.088 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 473647

Ion Ratio Lower Upper

91 100

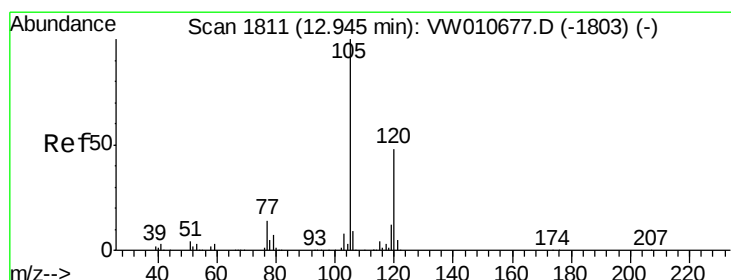
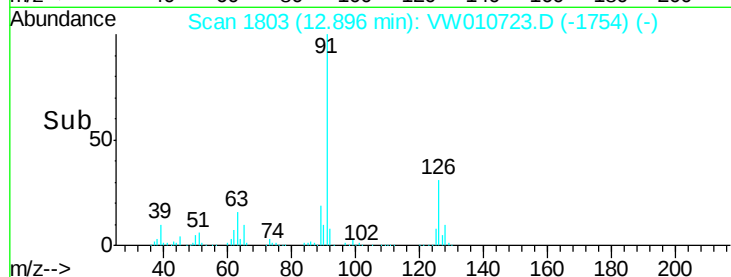
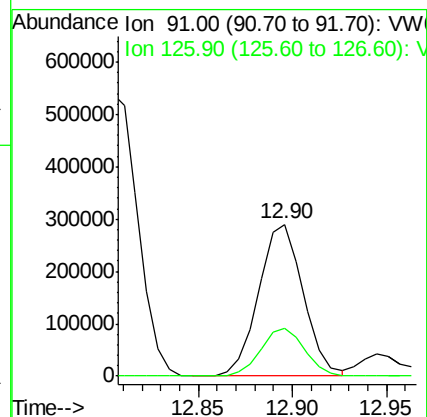
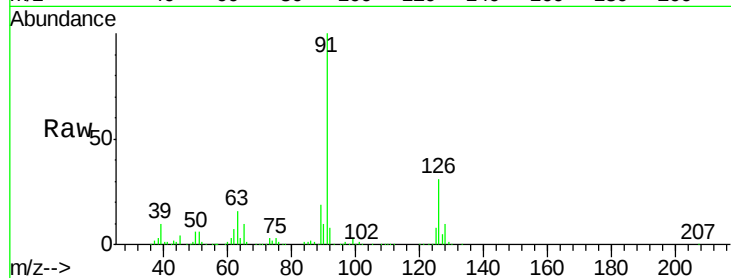
126 31.2 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.597 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010723.D

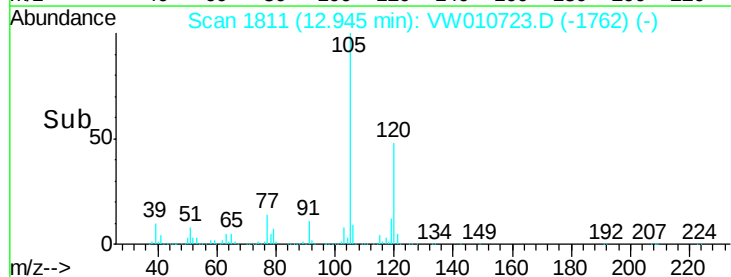
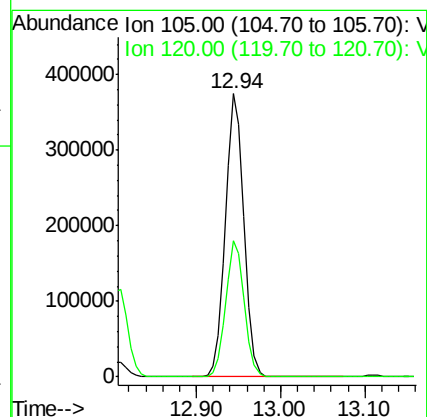
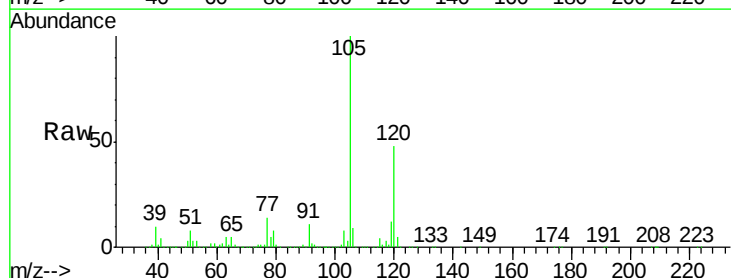
Acq: 07 Jun 2019 10:58

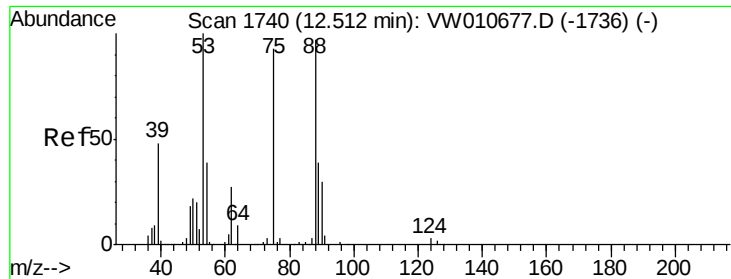
Tgt Ion: 105 Resp: 568171

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8





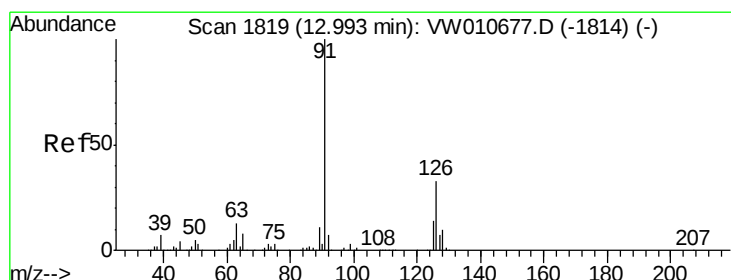
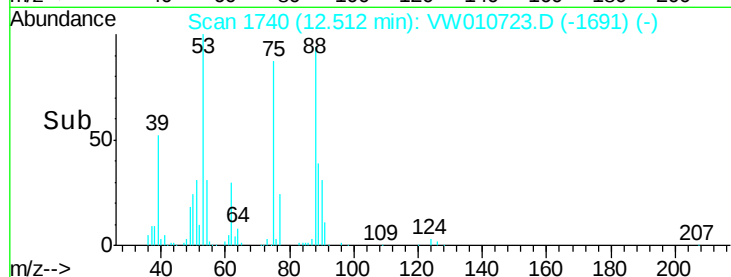
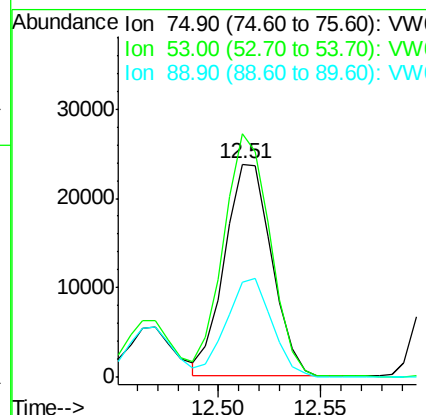
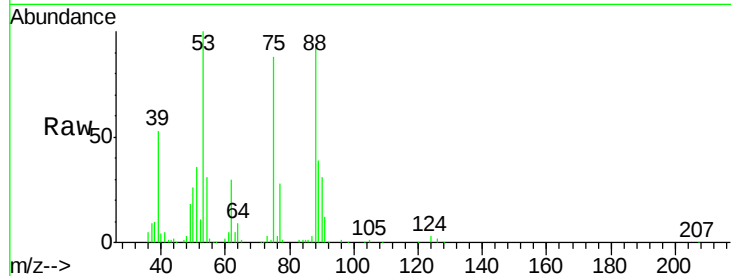
#81
trans-1,4-Dichloro-2-butene
Concen: 48.173 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.8	90.1	135.1
89	45.7	34.6	52.0

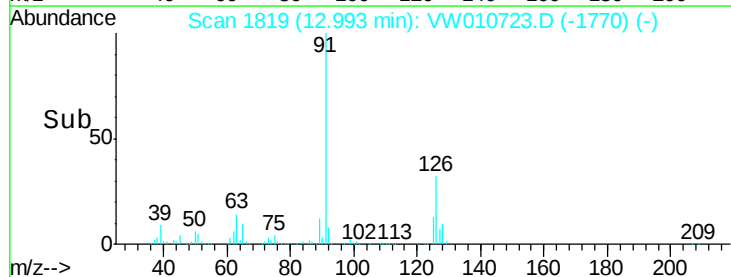
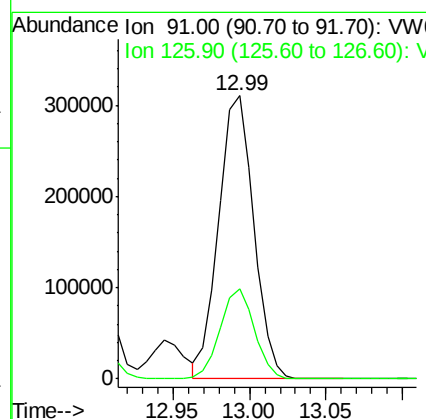
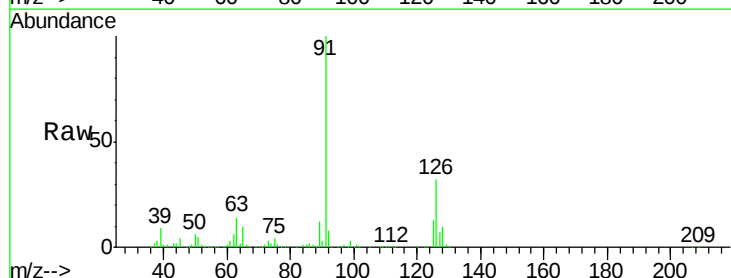
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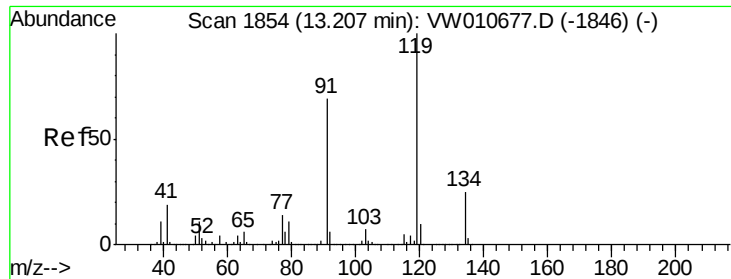
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#82
4-Chlorotoluene
Concen: 53.625 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





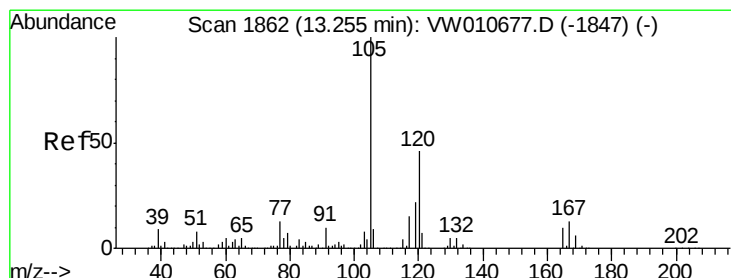
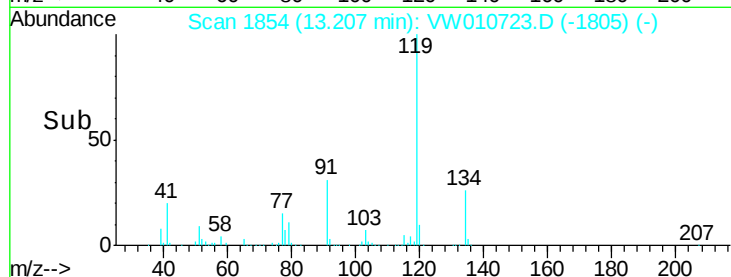
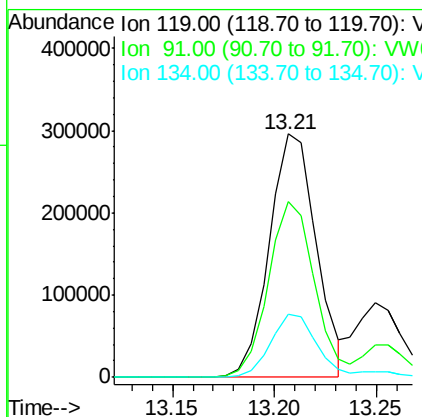
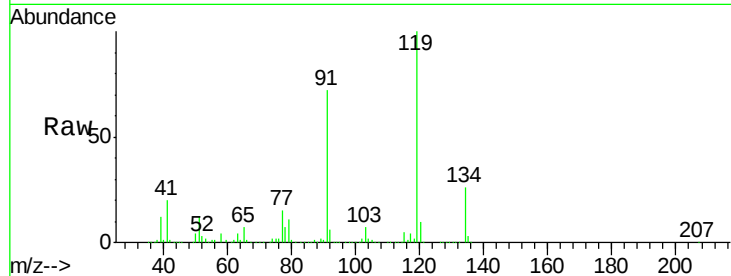
#83
tert-Butylbenzene
Concen: 52.858 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	35.1	105.3
134	27.4	13.6	40.7

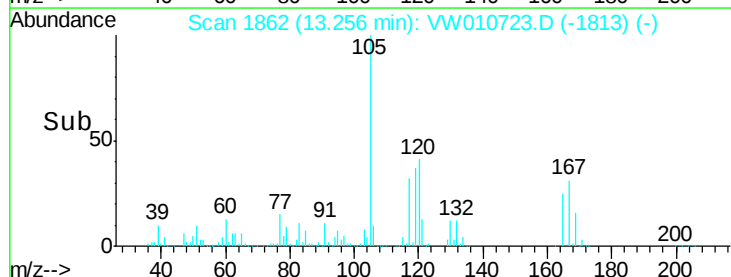
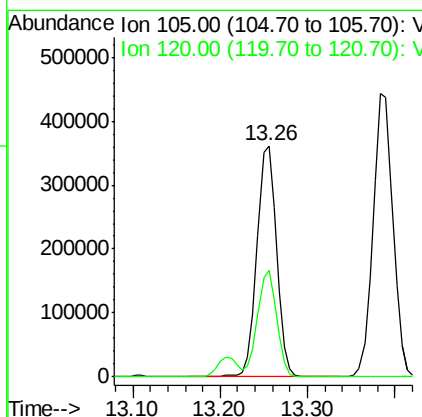
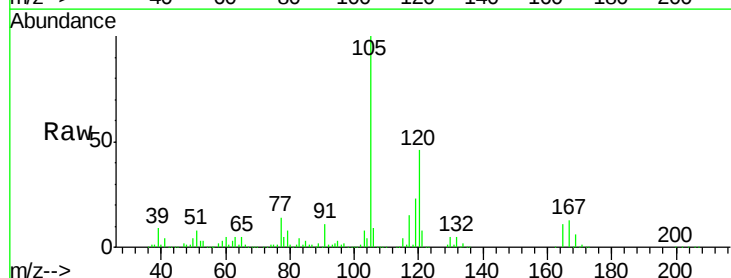
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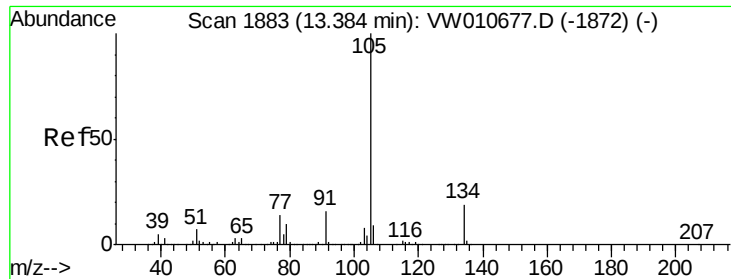
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#84
1,2,4-Trimethylbenzene
Concen: 52.923 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





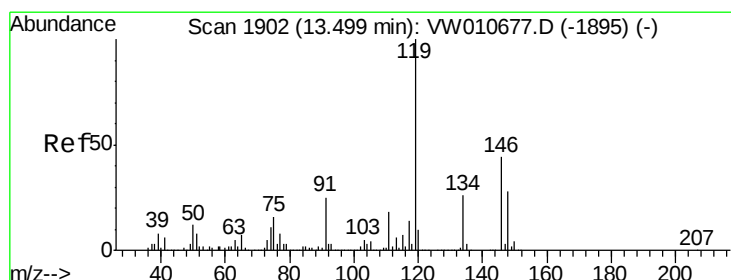
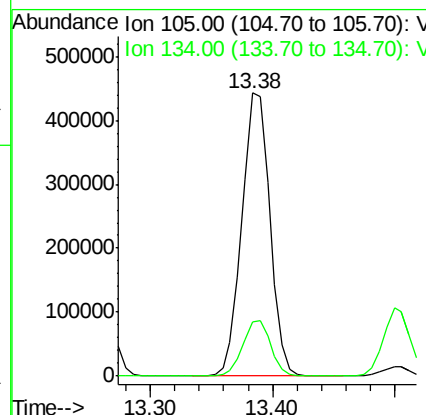
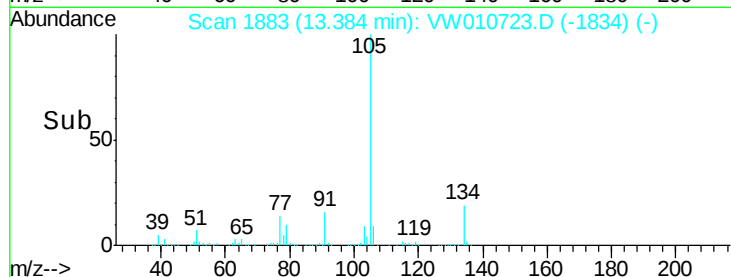
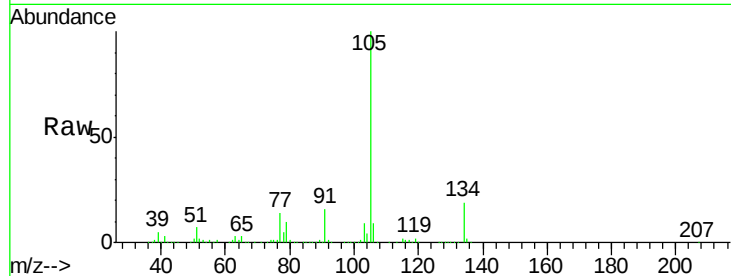
#85
 sec-Butylbenzene
 Concen: 53.552 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9

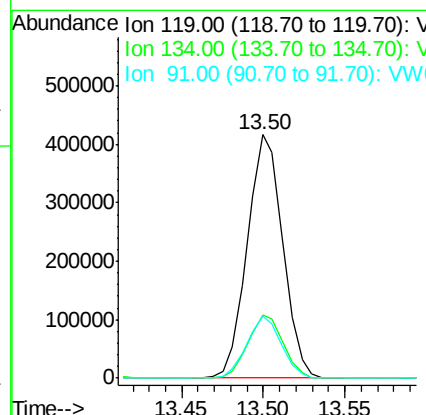
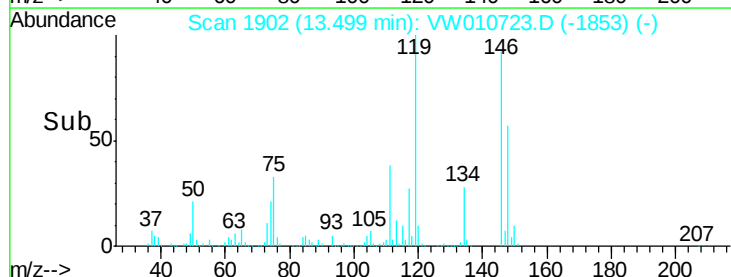
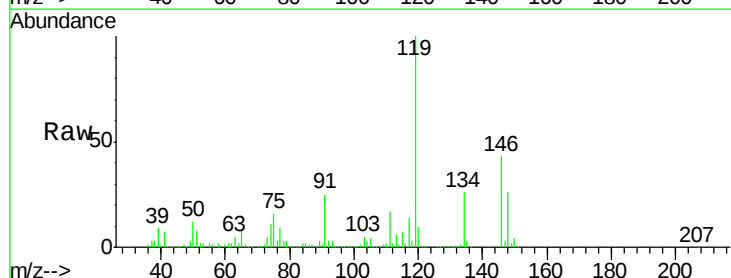
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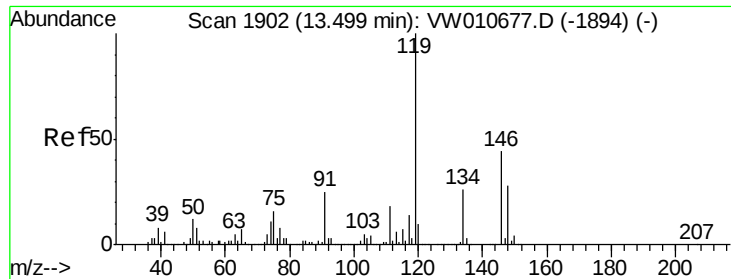
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#86
 p-Isopropyltoluene
 Concen: 53.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.7	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 52.043 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

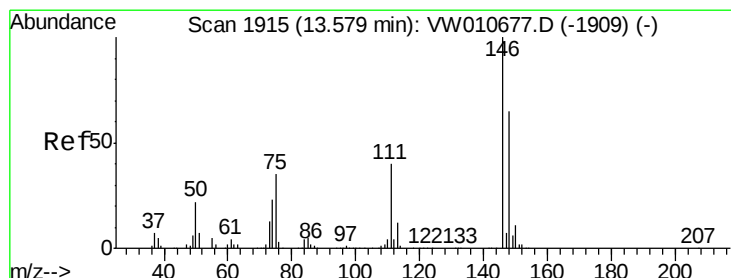
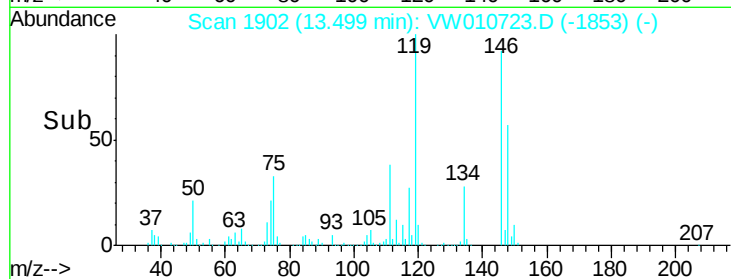
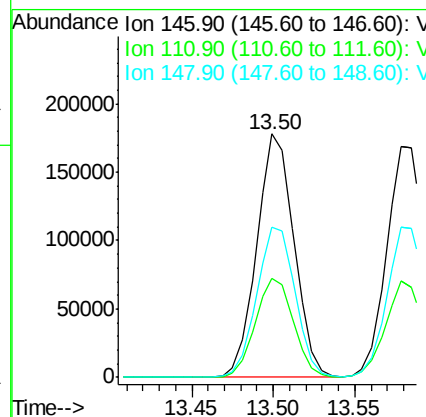
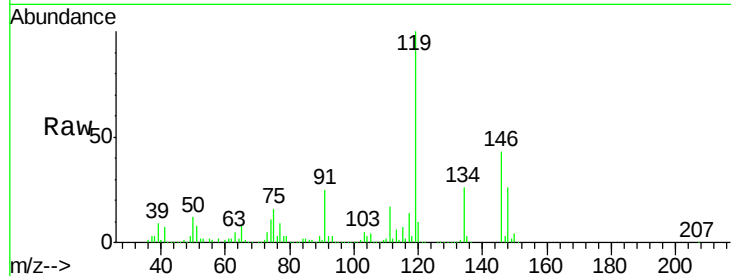
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283729		
111	41.6	20.4	61.3	
148	63.6	31.5	94.5	

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#88

1,4-Dichlorobenzene

Concen: 51.119 ug/l

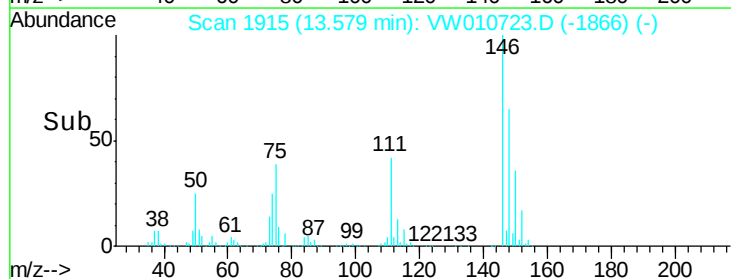
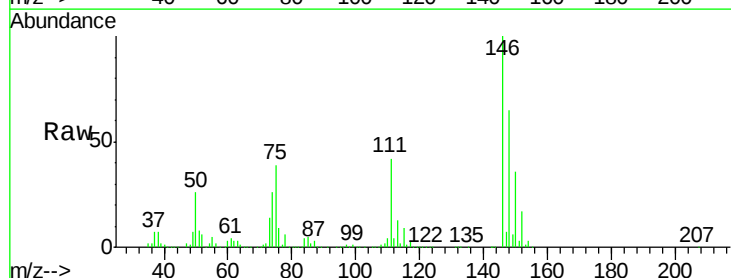
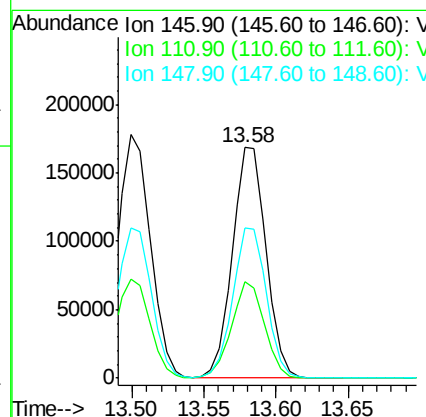
RT: 13.58 min Scan# 1915

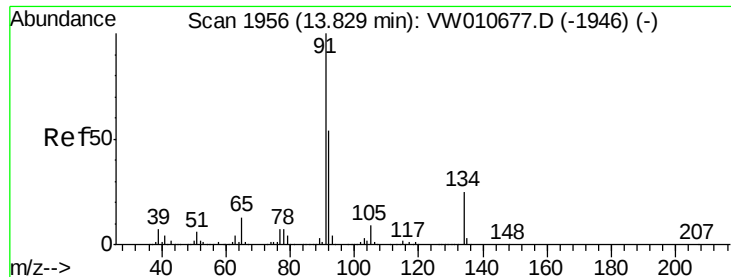
Delta R.T. 0.00 min

Lab File: VW010723.D

Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	276290		
111	41.1	20.3	60.9	
148	65.1	32.4	97.2	





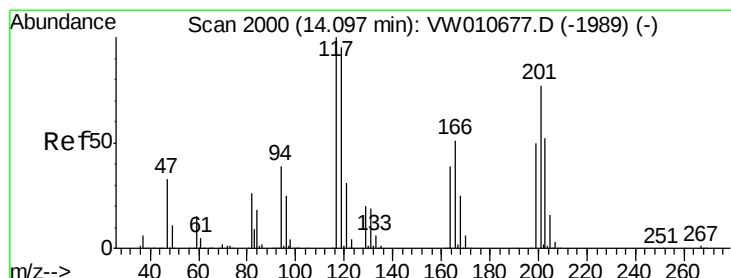
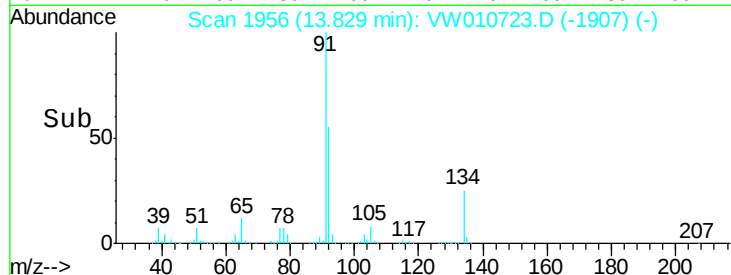
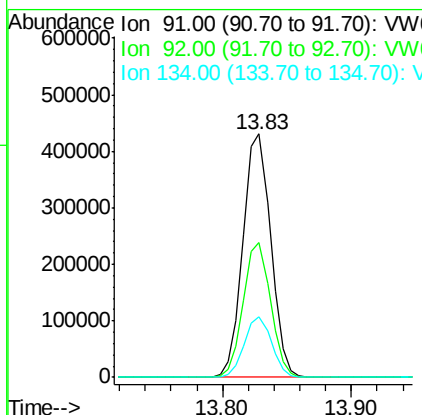
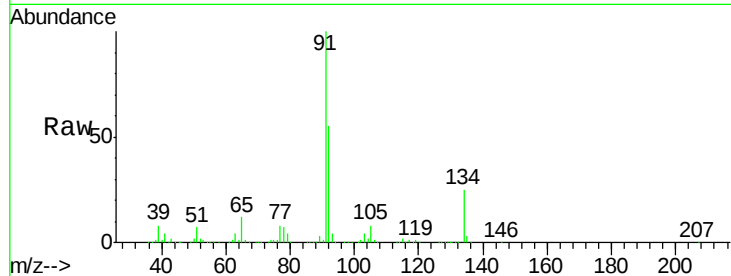
#89
n-Butylbenzene
Concen: 54.990 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	24.5	12.3	36.9

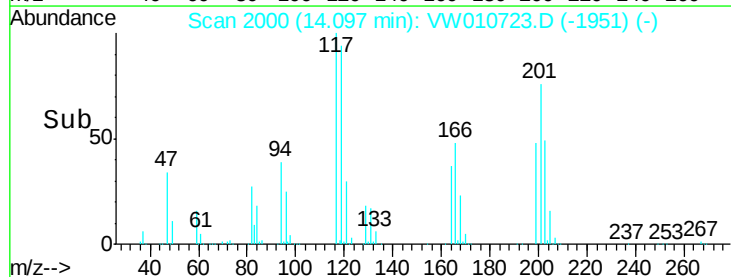
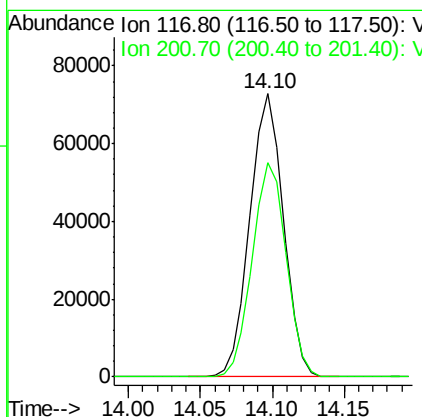
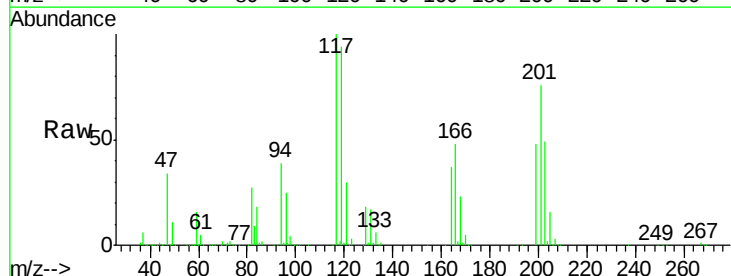
Manual Integrations
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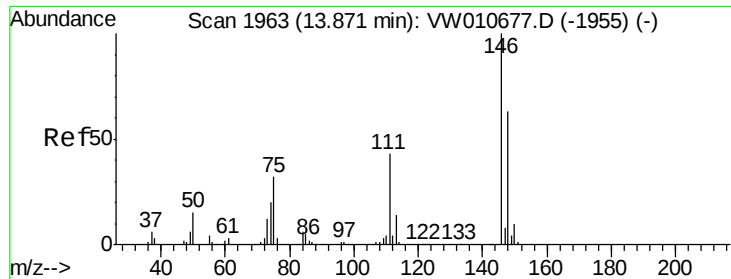
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#90
Hexachloroethane
Concen: 55.950 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	38.8	116.4





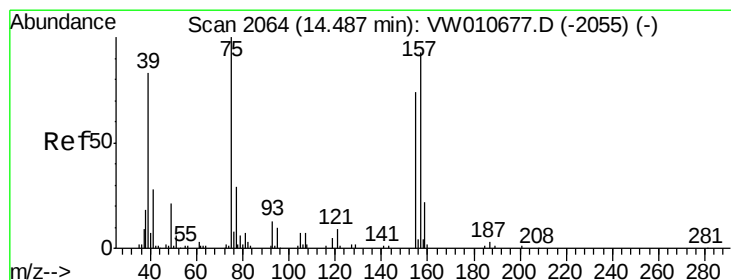
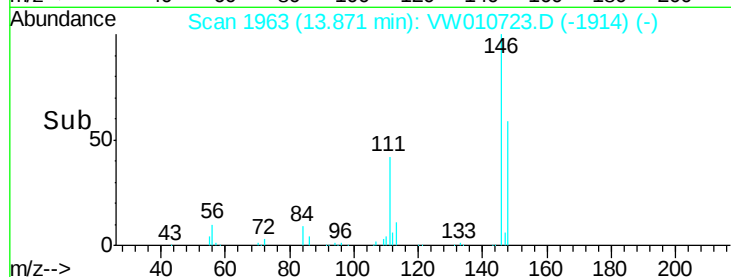
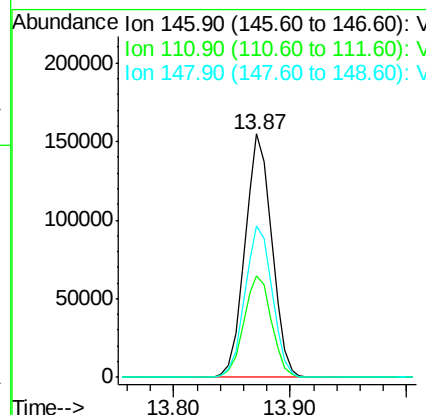
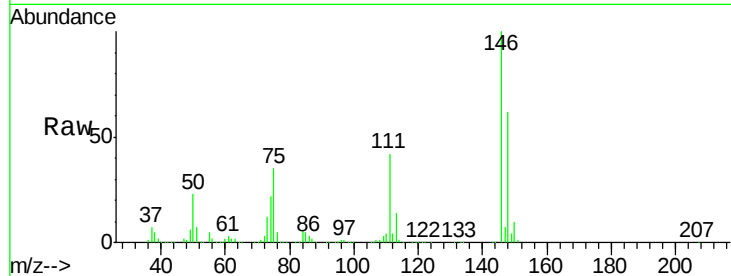
#91
 1,2-Dichlorobenzene
 Concen: 50.835 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.6	31.9	95.5

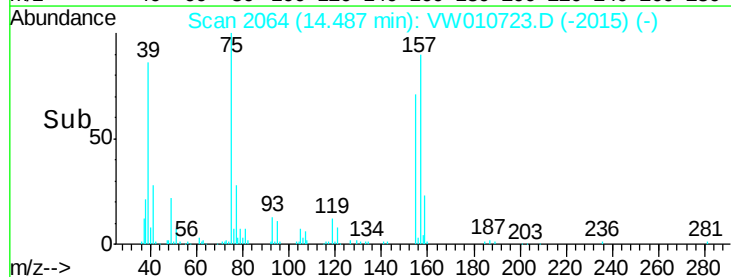
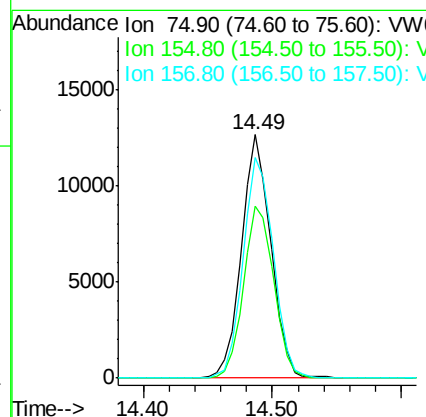
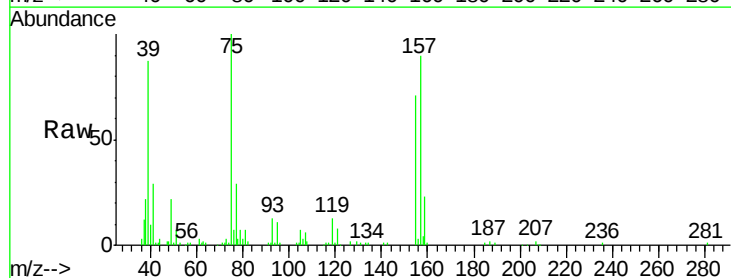
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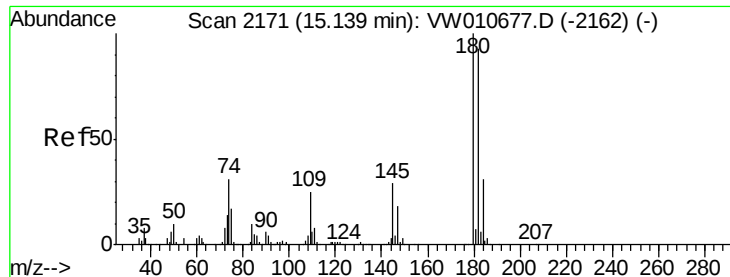
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.018 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	38.8	116.4
157	93.1	48.4	145.0





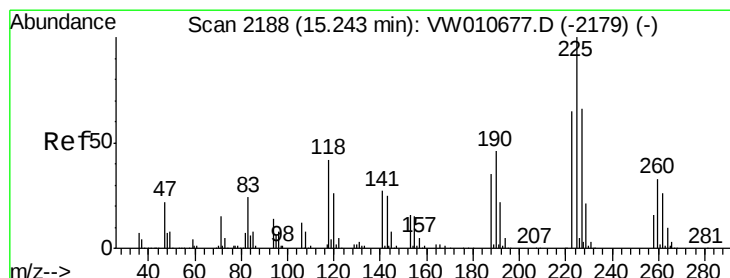
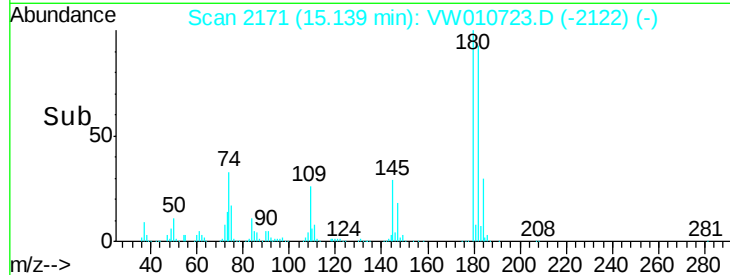
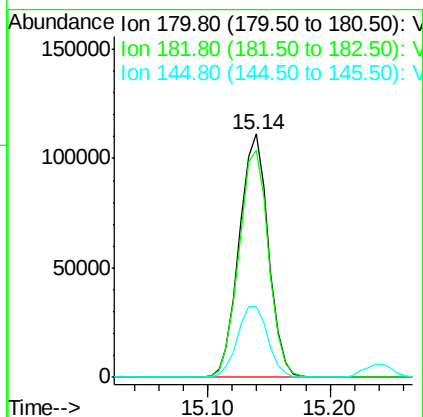
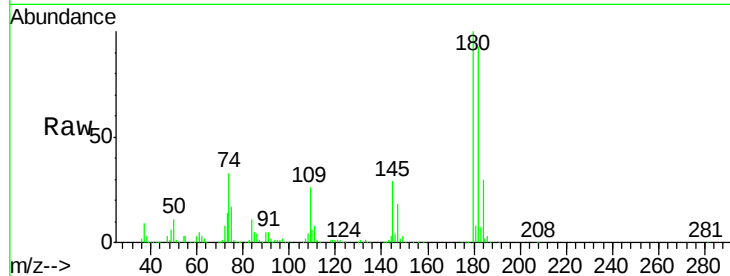
#93
 1,2,4-Trichlorobenzene
 Concen: 53.418 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.1	141.4	
145	30.5	15.2	45.5	

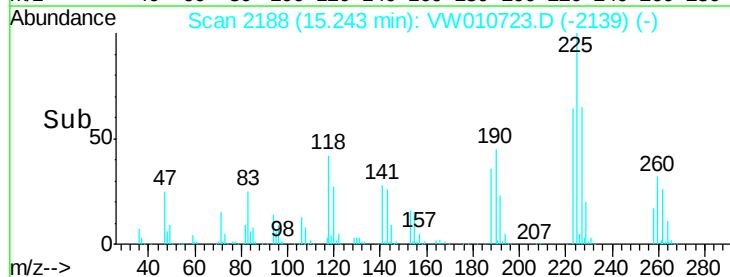
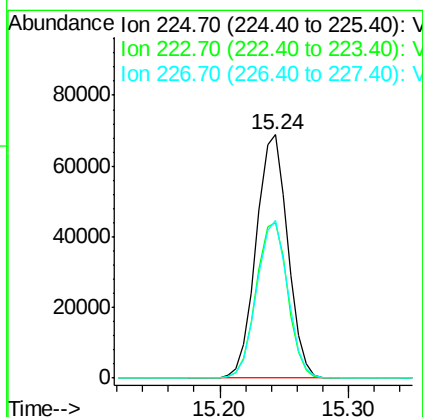
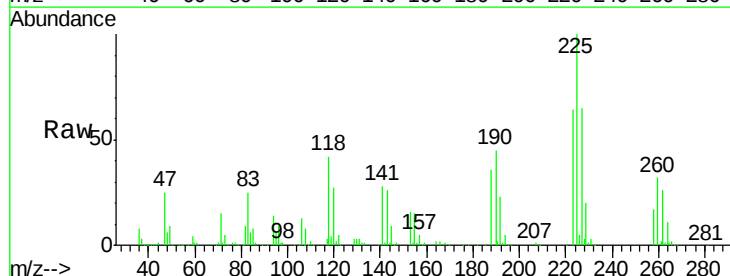
Manual Integrations
 APPROVED

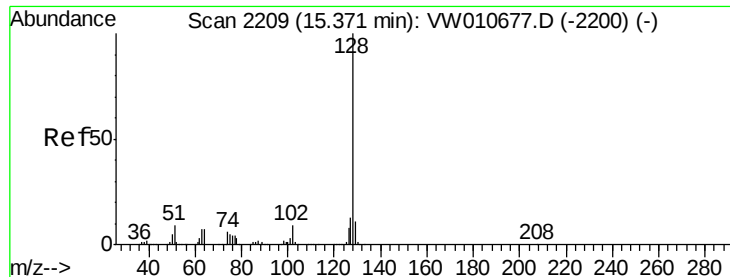
MMDadoda
 6/10/2019 12:24:34 PM



#94
 Hexachlorobutadiene
 Concen: 53.955 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010723.D
 Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	32.2	96.6	
227	63.6	32.0	96.0	





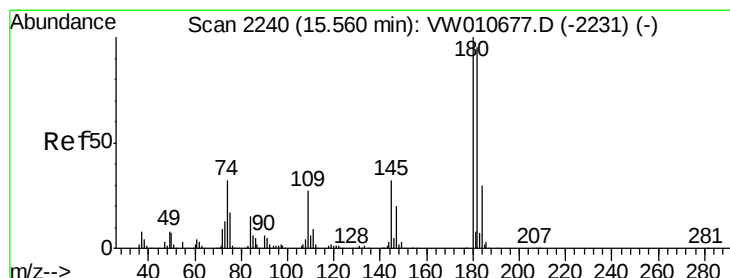
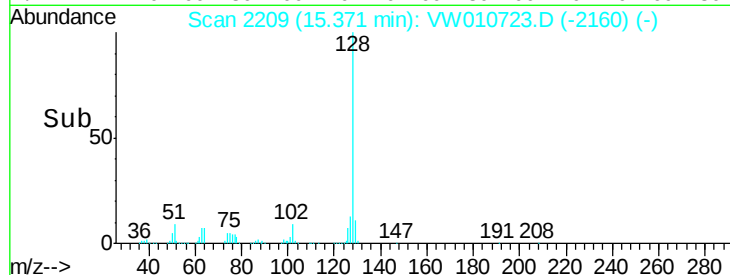
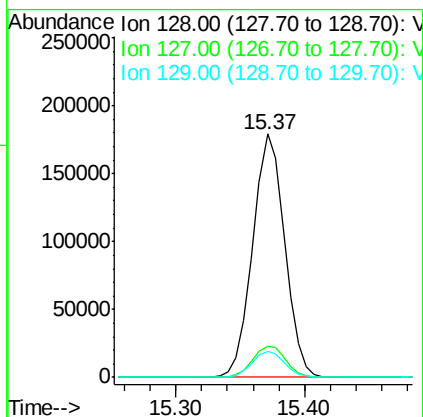
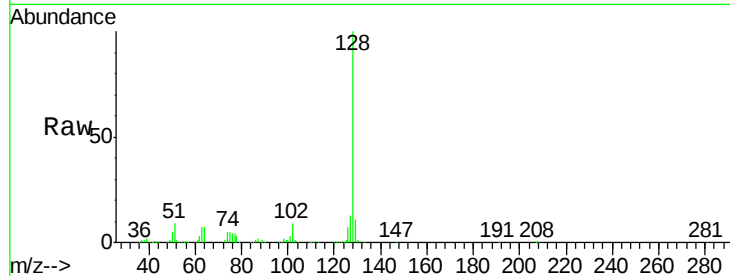
#95
Naphthalene
Concen: 49.073 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.552 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010723.D
Acq: 07 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.0
145	32.3	16.1	48.3

