

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010421.D
 Acq On : 17 May 2019 18:50
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:10 PM

Quant Time: May 17 23:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	841359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1474013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1327257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	624047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	850559	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
35) Dibromofluoromethane	7.88	113	842806	95.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.96%	
50) Toluene-d8	10.32	98	3180780	95.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.40%	
62) 4-Bromofluorobenzene	12.62	95	1223232	93.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	571068	107.734	ug/l	100
3) Chloromethane	2.20	50	829326	113.951	ug/l	99
4) Vinyl Chloride	2.35	62	885053	96.714	ug/l	97
5) Bromomethane	2.74	94	526395	90.116	ug/l	97
6) Chloroethane	2.90	64	577450	105.606	ug/l	94
7) Trichlorofluoromethane	3.24	101	1256839	198.854	ug/l	98
8) Diethyl Ether	3.68	74	473933	107.384	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	824672	105.429	ug/l	100
10) Methyl Iodide	4.26	142	962972	79.793	ug/l	100
11) Tert butyl alcohol	5.18	59	375440	528.239	ug/l	100
12) 1,1-Dichloroethene	4.03	96	778112	95.235	ug/l	99
13) Acrolein	3.89	56	252666	561.672	ug/l	98
14) Allyl chloride	4.67	41	1199325	113.203	ug/l	100
15) Acrylonitrile	5.37	53	1004233	516.086	ug/l	99
16) Acetone	4.13	43	744225	479.686	ug/l	100
17) Carbon Disulfide	4.37	76	2153642	96.907	ug/l	99
18) Methyl Acetate	4.67	43	469748	94.797	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	2304303	172.413	ug/l	100
20) Methylene Chloride	4.91	84	836234	92.221	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	896264	98.433	ug/l	100
22) Diisopropyl ether	6.31	45	2671417	105.767	ug/l	98
23) Vinyl Acetate	6.26	43	8339100	485.003	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1511408	98.127	ug/l	99
25) 2-Butanone	7.17	43	1328225	456.974	ug/l	99
26) 2,2-Dichloropropane	7.16	77	1298958	148.162	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	1026214	97.673	ug/l	99
28) Bromochloromethane	7.51	49	604356	94.599	ug/l	98
29) Tetrahydrofuran	7.52	42	890576	457.400	ug/l	99
30) Chloroform	7.67	83	1602834	99.046	ug/l	99
31) Cyclohexane	7.95	56	1374822	91.783	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1464329	112.220	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1196165	94.308	ug/l	99
37) Ethyl Acetate	7.25	43	602216	94.692	ug/l	99
38) Carbon Tetrachloride	8.07	117	1300181	99.950	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1604110	95.471	ug/l	99
40) Benzene	8.32	78	3475243	94.193	ug/l	100
41) Methacrylonitrile	7.48	41	355203	91.924	ug/l	91
42) 1,2-Dichloroethane	8.40	62	1048729	97.479	ug/l	100
43) Isopropyl Acetate	8.43	43	1245062	95.025	ug/l	99
44) Trichloroethene	9.09	130	1009324	95.787	ug/l	99
45) 1,2-Dichloropropane	9.37	63	865276	94.530	ug/l	99
46) Dibromomethane	9.46	93	514746	96.577	ug/l	99
47) Bromodichloromethane	9.65	83	1290874	98.762	ug/l	98
48) Methyl methacrylate	9.43	41	569047	94.492	ug/l	97
49) 1,4-Dioxane	9.45	88	141295	1516.793	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	3155839	465.253	ug/l	100
52) Toluene	10.39	92	2319270	94.326	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1334261	96.912	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	1509452	96.976	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	746480	96.858	ug/l	98
56) Ethyl methacrylate	10.65	69	1061399	96.991	ug/l	100
57) 1,3-Dichloropropane	10.93	76	1251229	97.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	2597477	541.538	ug/l	100
59) 2-Hexanone	10.97	43	2187334	457.181	ug/l	99
60) Dibromochloromethane	11.13	129	953977	99.096	ug/l	99
61) 1,2-Dibromoethane	11.24	107	758544	97.535	ug/l	98
64) Tetrachloroethene	10.86	164	831407	94.767	ug/l	98
65) Chlorobenzene	11.66	112	2549855	96.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	949136	97.323	ug/l	99
67) Ethyl Benzene	11.73	91	4403516	94.151	ug/l	100
68) m/p-Xylenes	11.84	106	3461232	189.131	ug/l	100
69) o-Xylene	12.17	106	1677450	95.103	ug/l	99
70) Styrene	12.18	104	2897087	94.488	ug/l	99
71) Bromoform	12.35	173	569891	100.774	ug/l	98
73) Isopropylbenzene	12.46	105	4446974	97.676	ug/l	100
74) N-amyl acetate	12.27	43	1223076	97.028	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	903992	101.033	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	622867m	91.727	ug/l	
77) Bromobenzene	12.75	156	1048578	99.825	ug/l	99
78) n-propylbenzene	12.80	91	5118508	96.140	ug/l	99
79) 2-Chlorotoluene	12.90	91	3014498	97.377	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	3772594	96.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	320348	98.080	ug/l	99
82) 4-Chlorotoluene	12.99	91	3144747	96.814	ug/l	99
83) tert-Butylbenzene	13.21	119	3197531	96.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3743866	95.685	ug/l	99
85) sec-Butylbenzene	13.38	105	4482776	95.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	4083364	95.921	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1957984	95.850	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1960620	96.166	ug/l	99
89) n-Butylbenzene	13.83	91	3876827	95.417	ug/l	99
90) Hexachloroethane	14.10	117	842595	99.975	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1794790	95.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	159159	95.685	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:21:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1161241	90.088	ug/l	100
94) Hexachlorobutadiene	15.24	225	612737	93.053	ug/l	99
95) Naphthalene	15.37	128	2565286	89.389	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1023752	89.433	ug/l	99

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

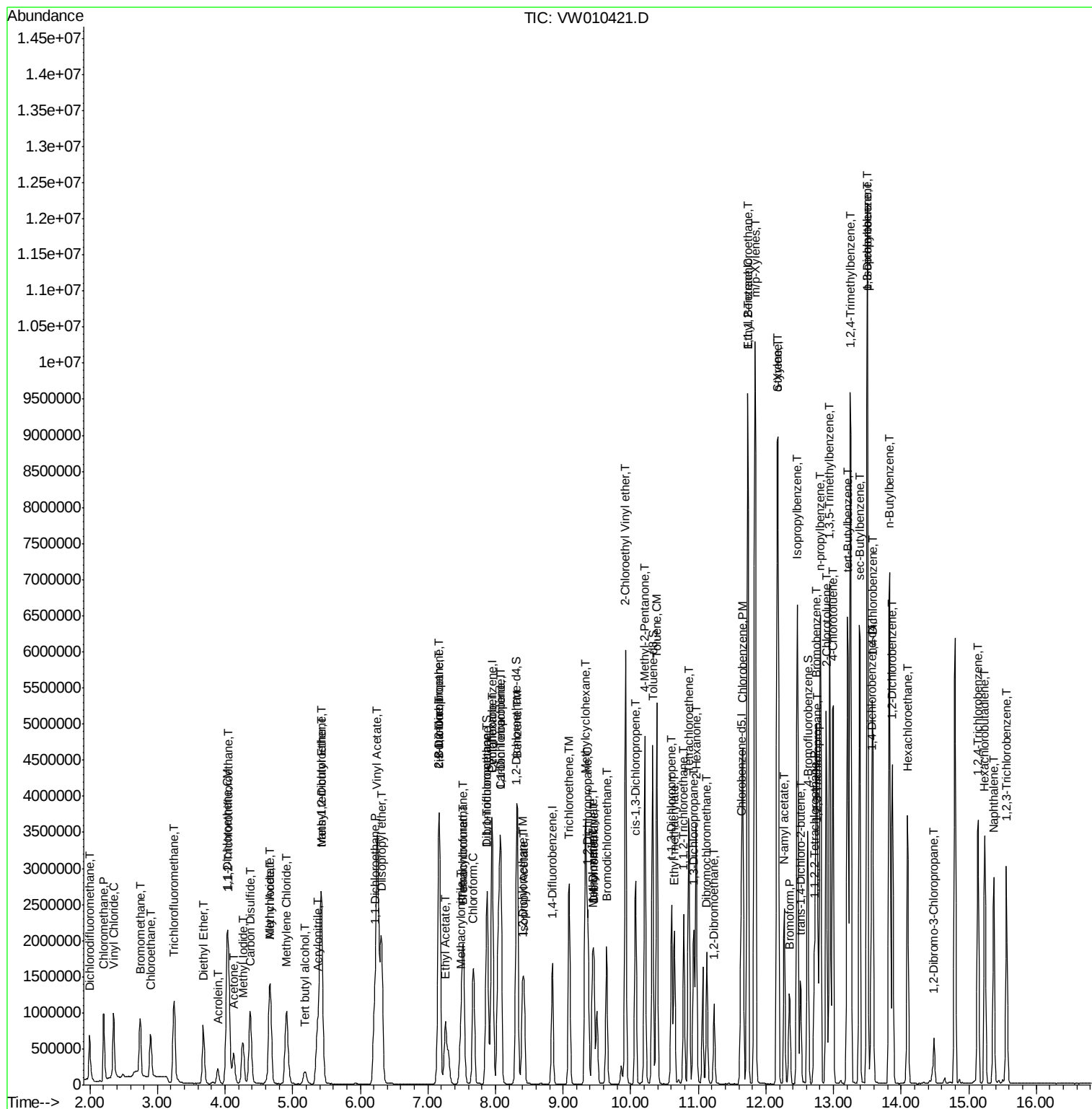
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010421.D
 Acq On : 17 May 2019 18:50
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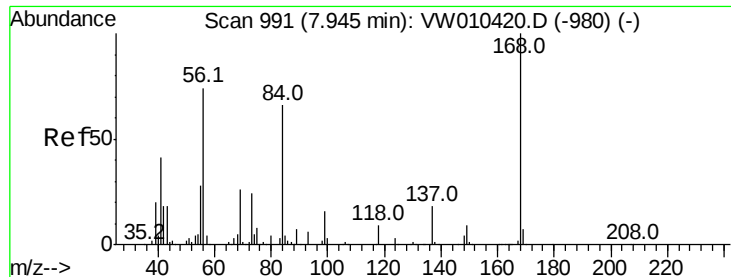
Instrument :
 MSVOA_W
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 841359

Ion Ratio Lower Upper

168 100

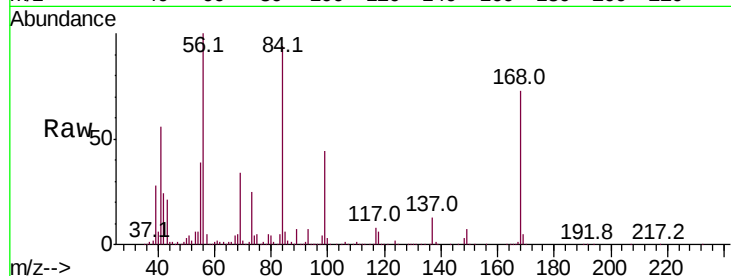
99 60.8 50.8 76.2

Manual Integrations

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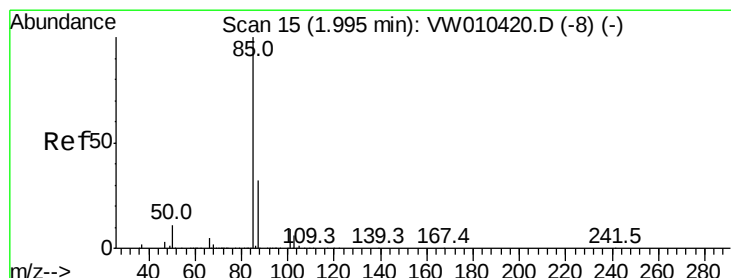
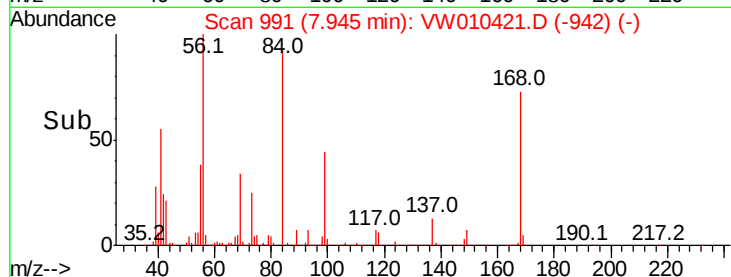
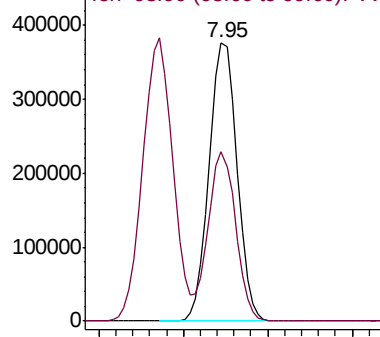
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 107.734 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010421.D

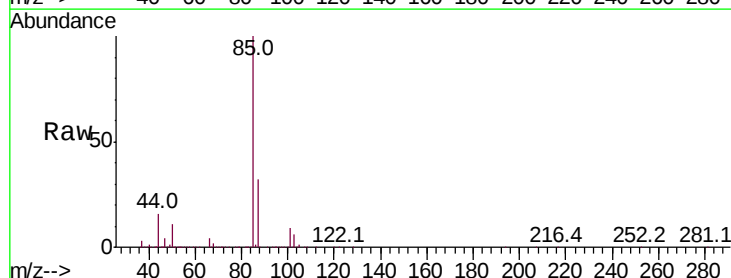
Acq: 17 May 2019 18:50

Tgt Ion: 85 Resp: 571068

Ion Ratio Lower Upper

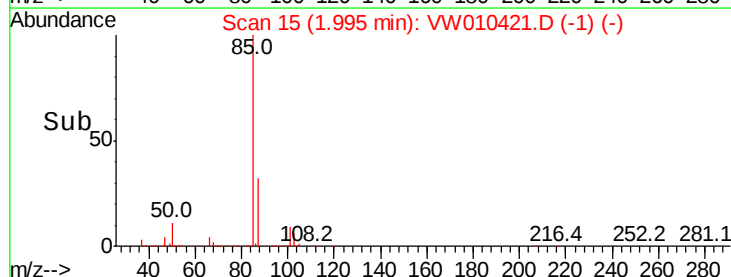
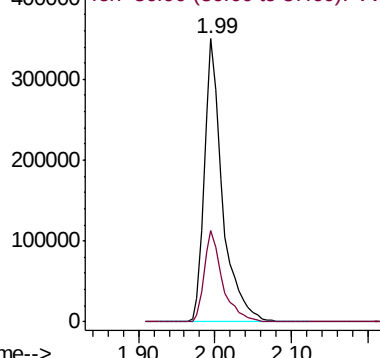
85 100

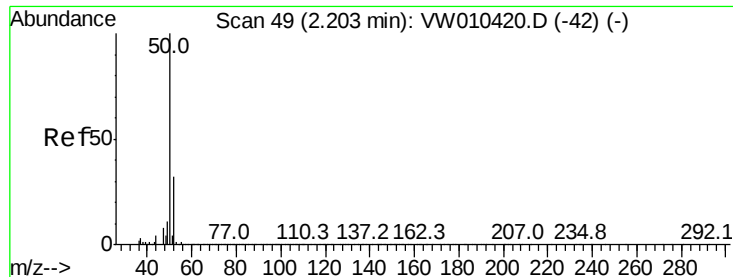
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 113.951 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 829326

Ion Ratio Lower Upper

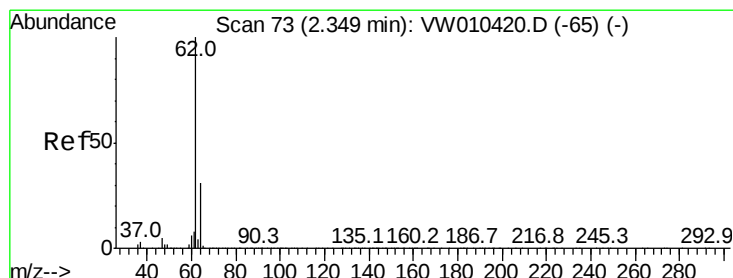
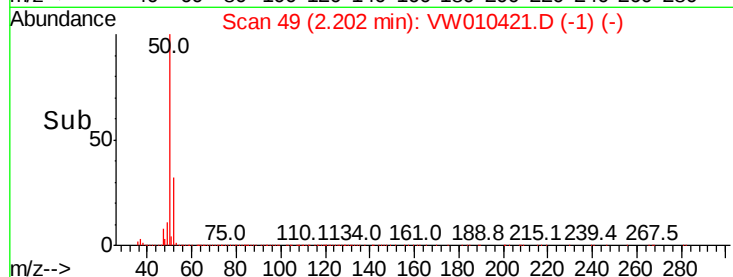
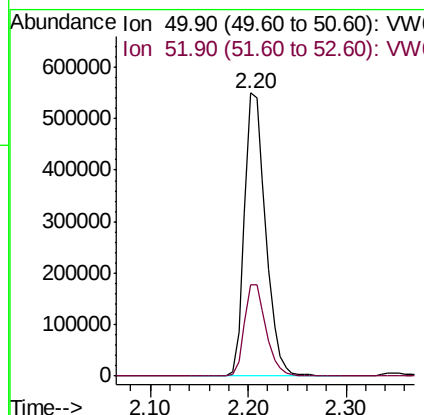
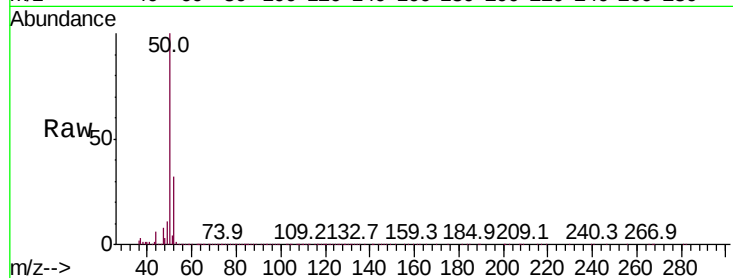
50 100

52 32.1 25.4 38.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 96.714 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010421.D

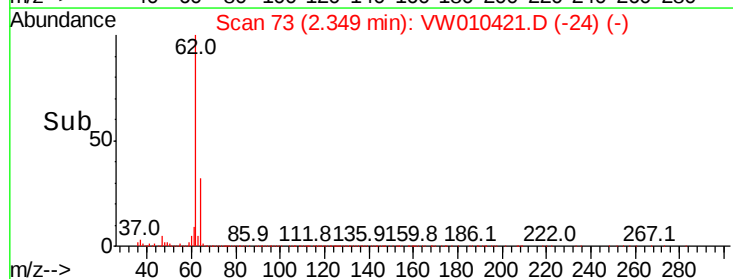
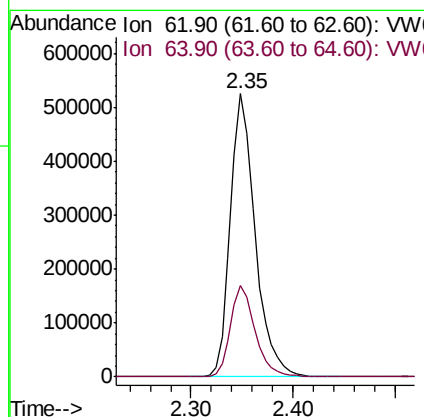
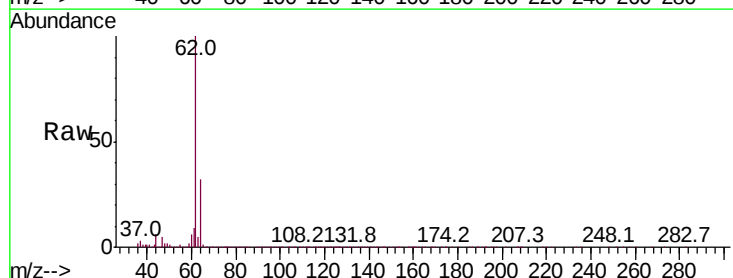
Acq: 17 May 2019 18:50

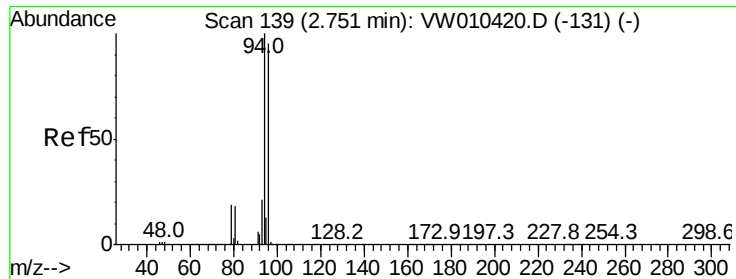
Tgt Ion: 62 Resp: 885053

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 90.116 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 526395

Ion Ratio Lower Upper

94 100

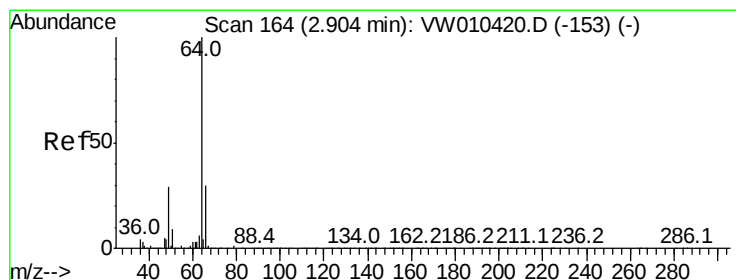
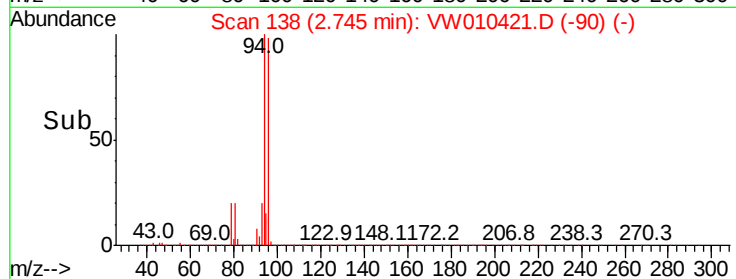
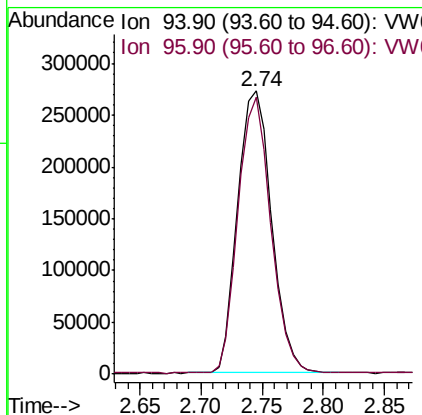
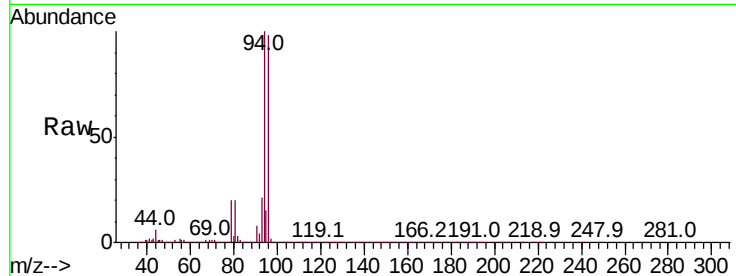
96 97.8 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 105.606 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010421.D

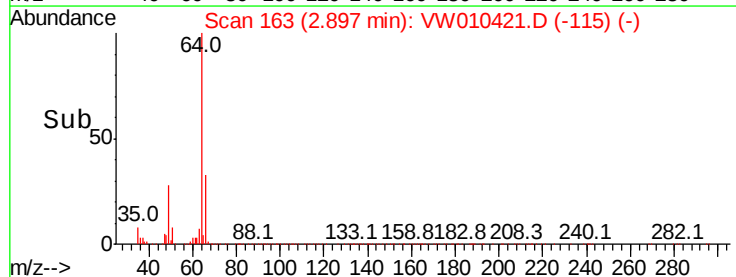
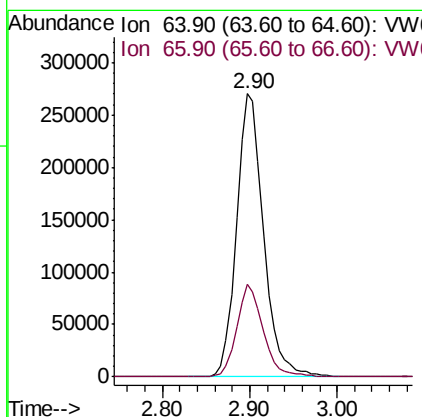
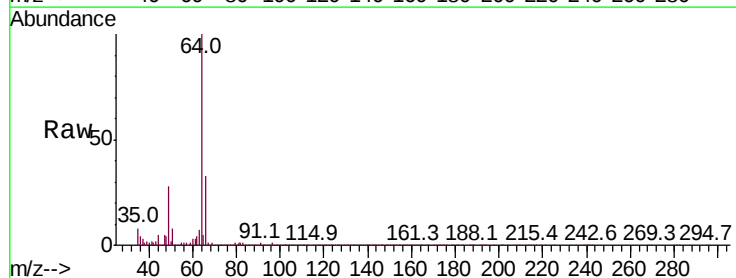
Acq: 17 May 2019 18:50

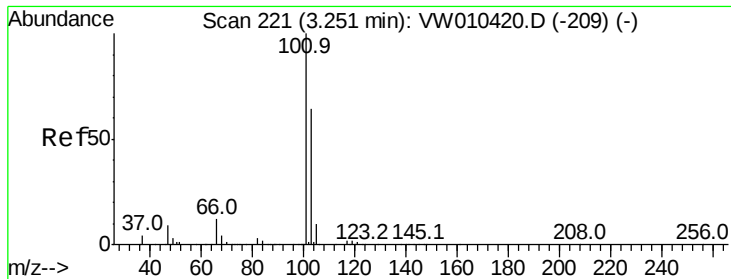
Tgt Ion: 64 Resp: 577450

Ion Ratio Lower Upper

64 100

66 32.7 23.6 35.4





#7

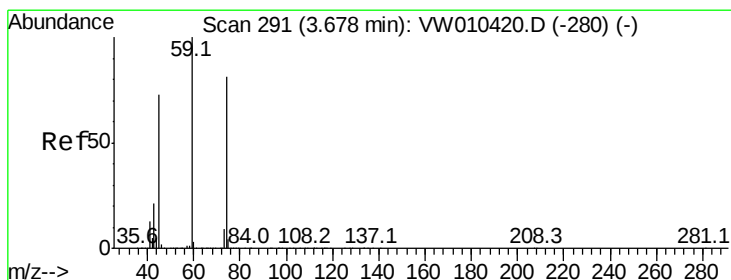
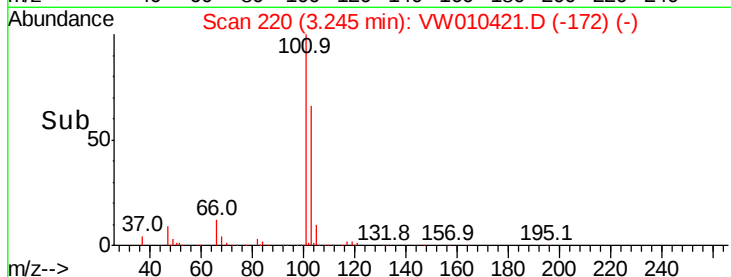
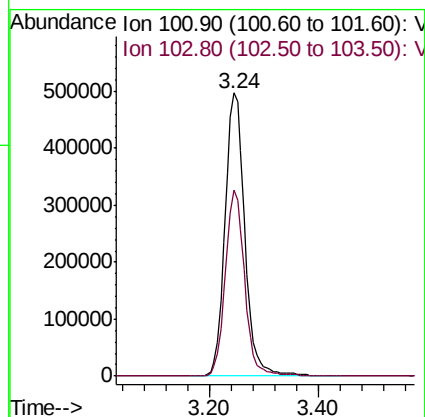
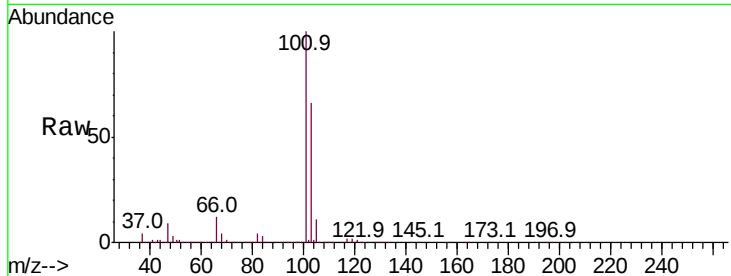
Trichlorofluoromethane
 Concen: 198.854 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1256839
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.4 77.0

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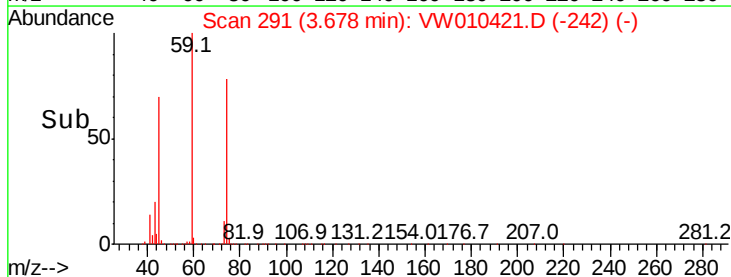
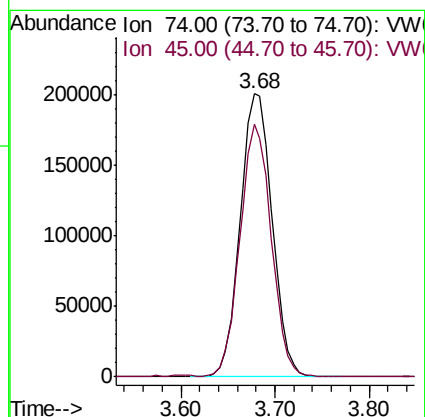
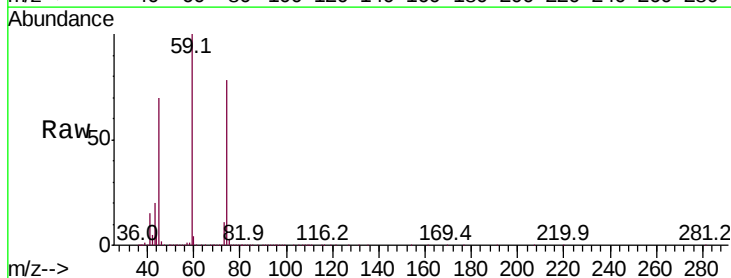
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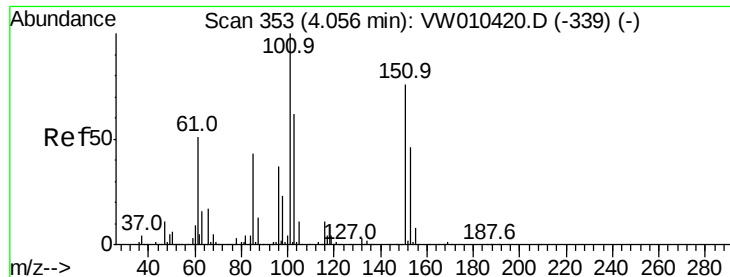


#8

Diethyl Ether
 Concen: 107.384 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Tgt Ion: 74 Resp: 473933
 Ion Ratio Lower Upper
 74 100
 45 86.9 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.429 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

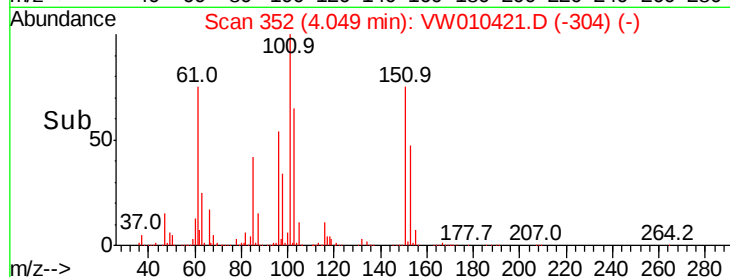
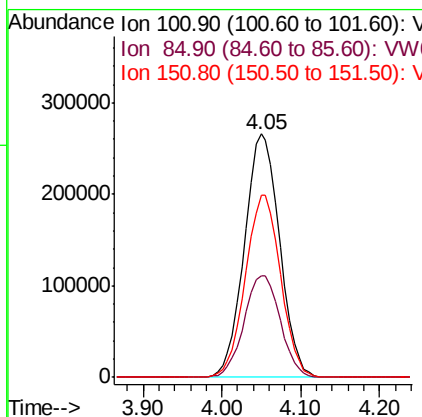
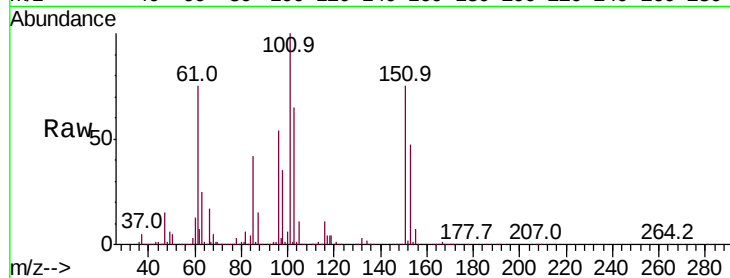
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	824672
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	74.9	59.4	89.2

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#10

Methyl Iodide

Concen: 79.793 ug/l

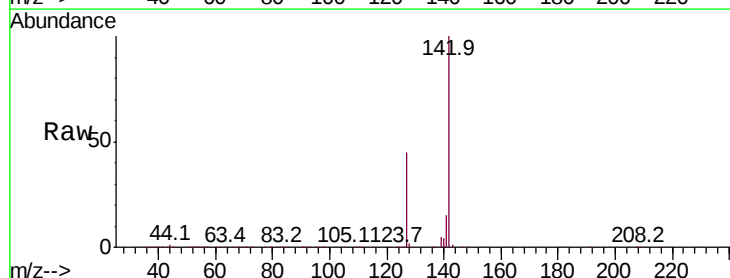
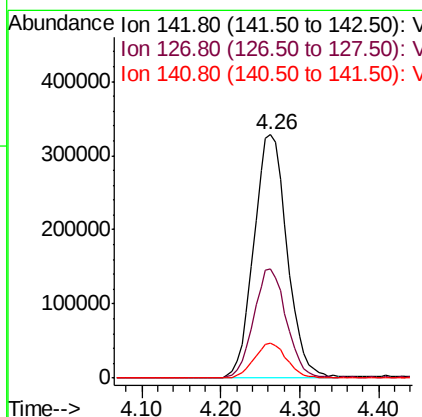
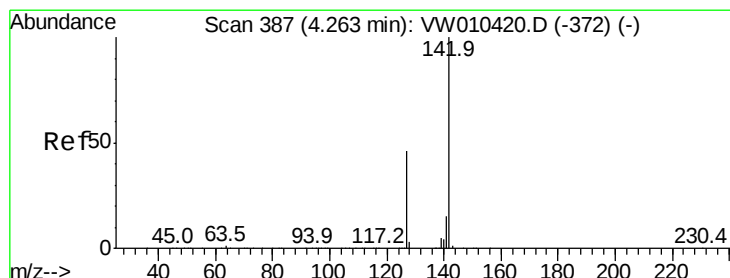
RT: 4.26 min Scan# 387

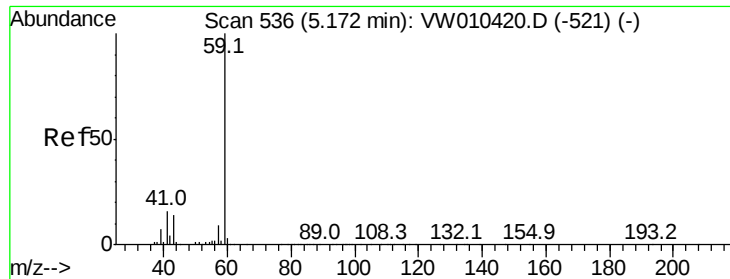
Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion:	142	Resp:	962972
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.4	53.2
141	14.1	11.4	17.2





#11

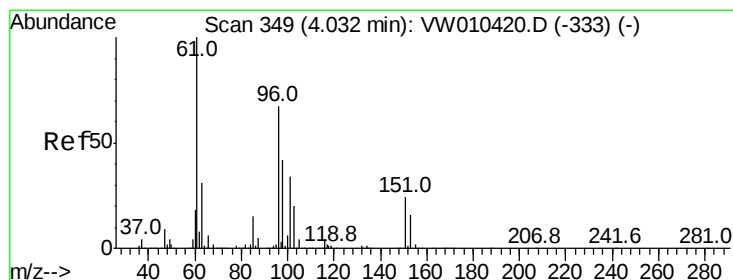
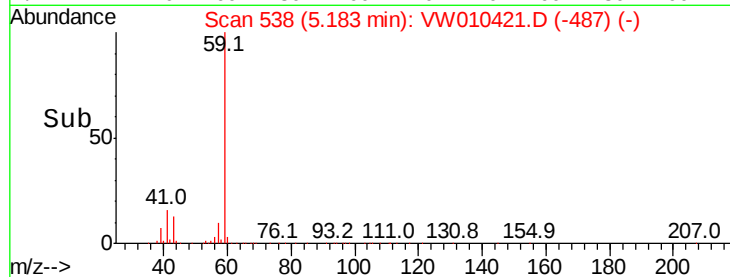
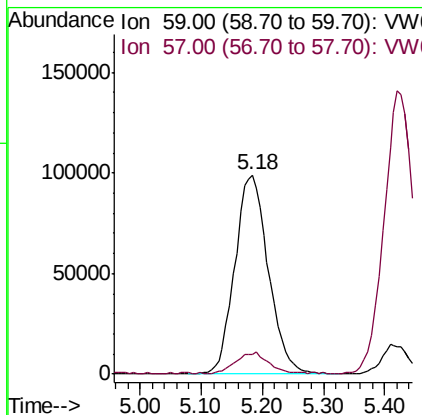
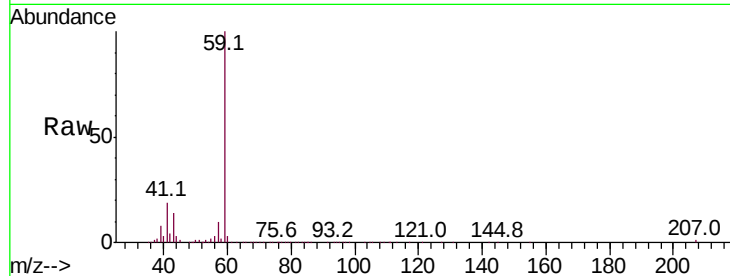
Tert butyl alcohol
Concen: 528.239 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

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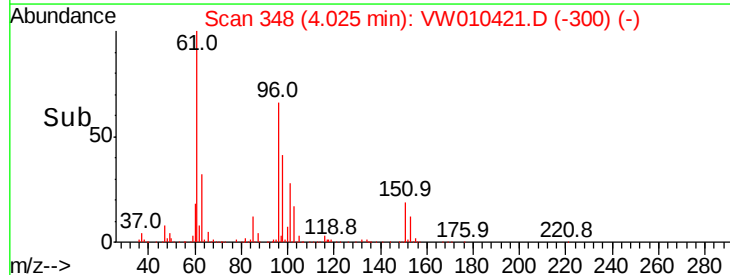
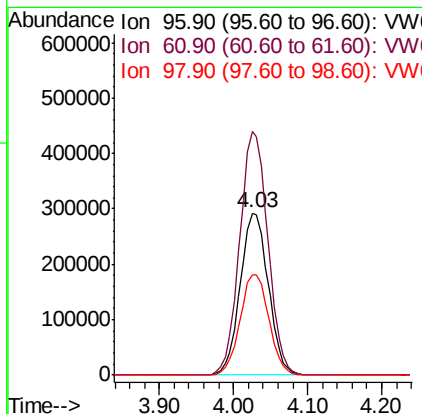
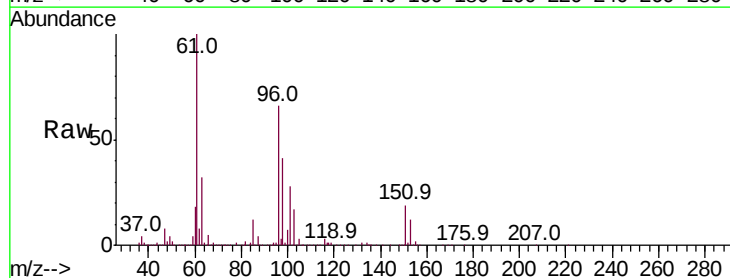
MMDadoda
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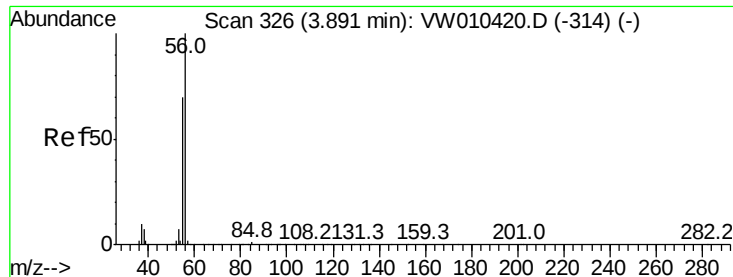


#12

1,1-Dichloroethene
Concen: 95.235 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	120.3	180.5
98	61.8	50.7	76.1





#13

Acrolein

Concen: 561.672 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 252666

Ion Ratio Lower Upper

56 100

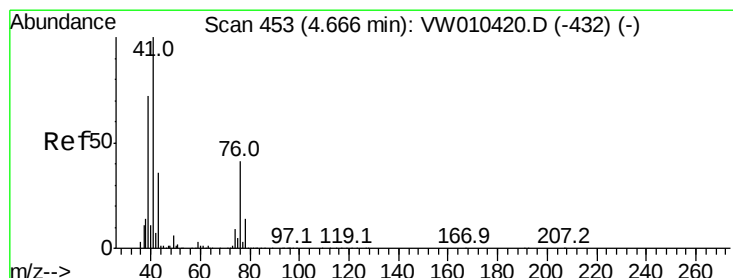
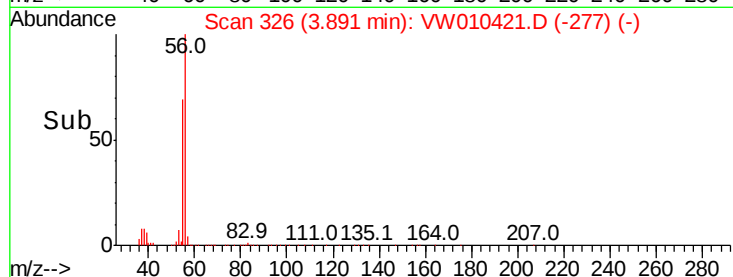
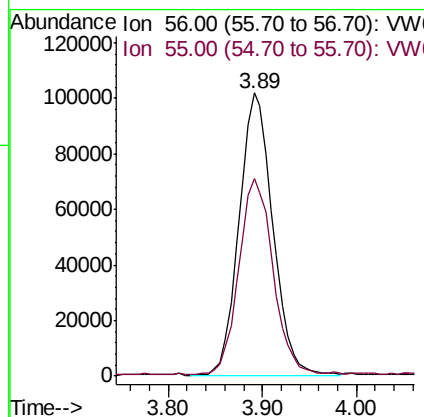
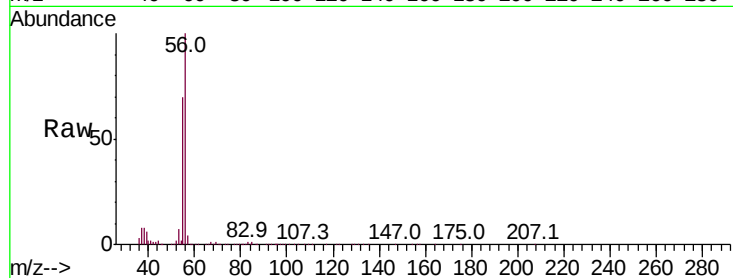
55 70.4 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 113.203 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

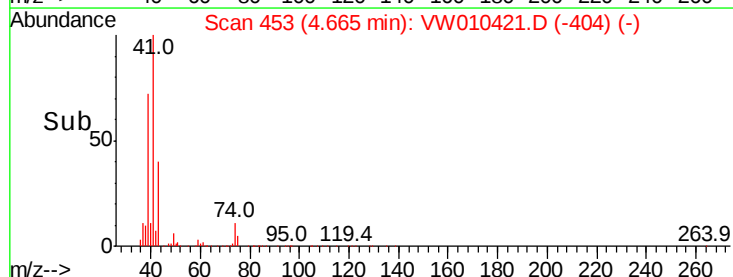
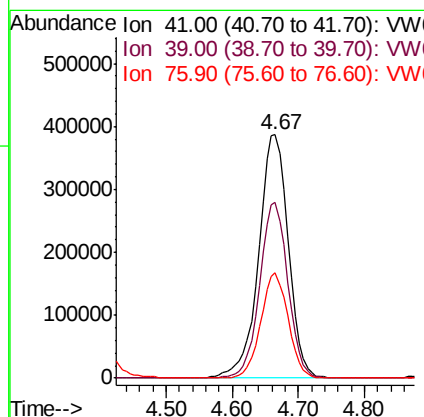
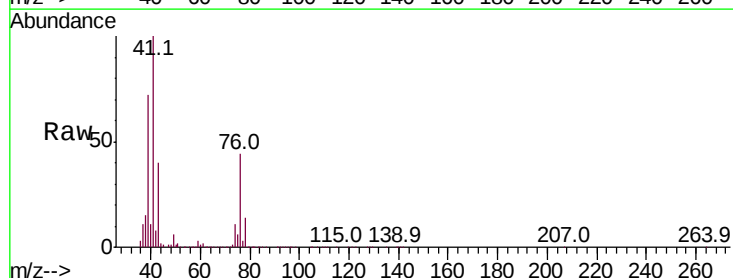
Tgt Ion: 41 Resp: 1199325

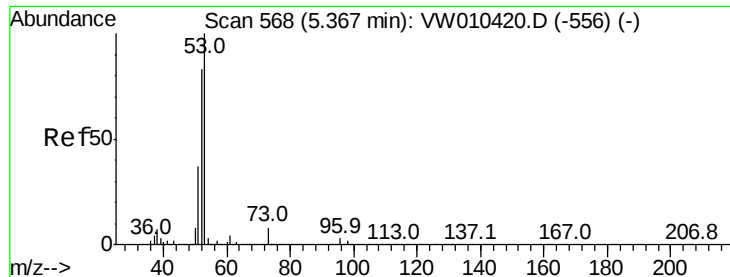
Ion Ratio Lower Upper

41 100

39 68.9 54.9 82.3

76 40.0 31.8 47.6





#15

Acrylonitrile

Concen: 516.086 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1004233

Ion Ratio Lower Upper

53 100

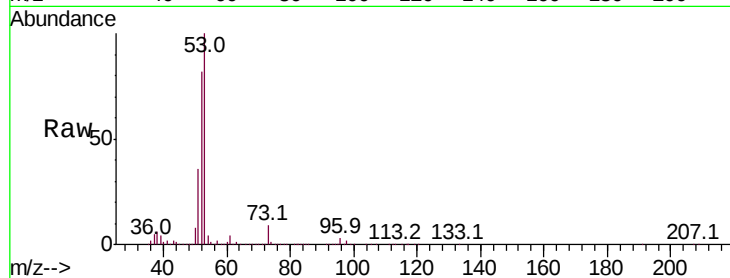
52 81.1 63.9 95.9

51 36.2 29.5 44.3

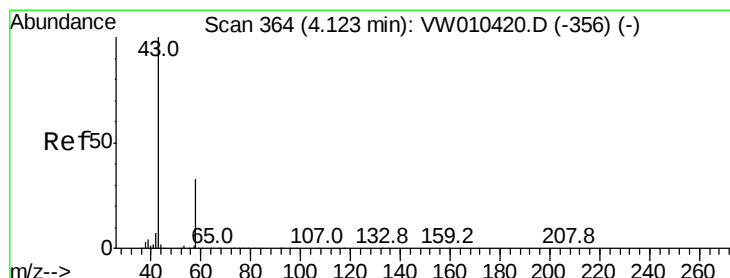
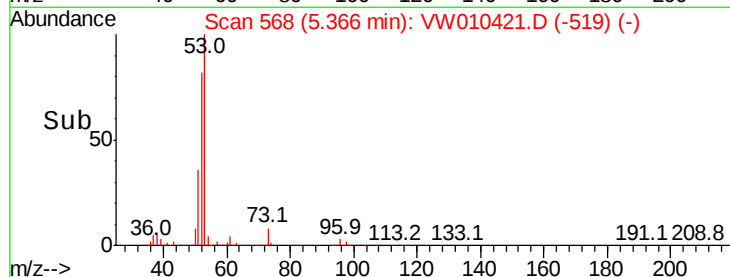
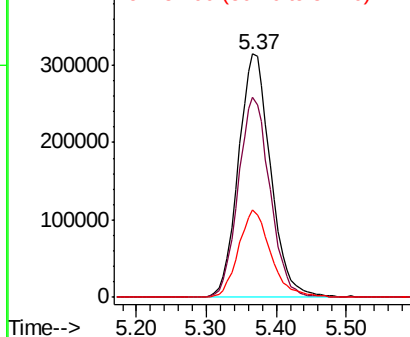
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Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 479.686 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010421.D

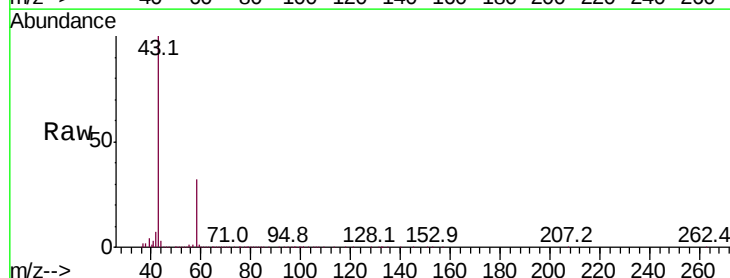
Acq: 17 May 2019 18:50

Tgt Ion: 43 Resp: 744225

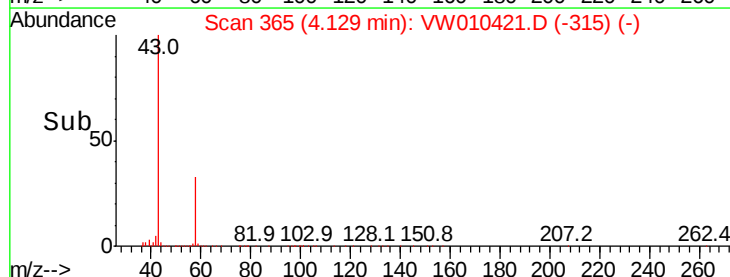
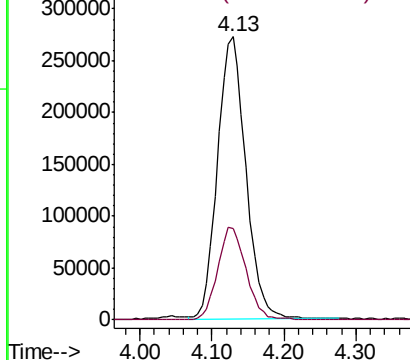
Ion Ratio Lower Upper

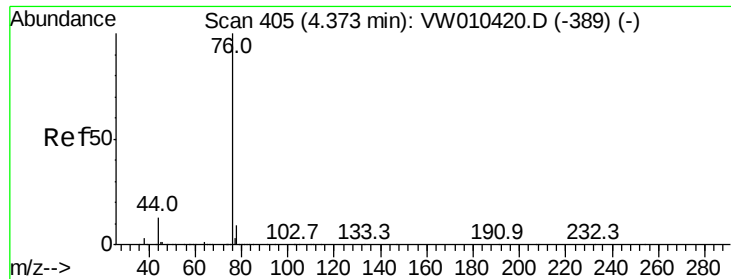
43 100

58 32.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





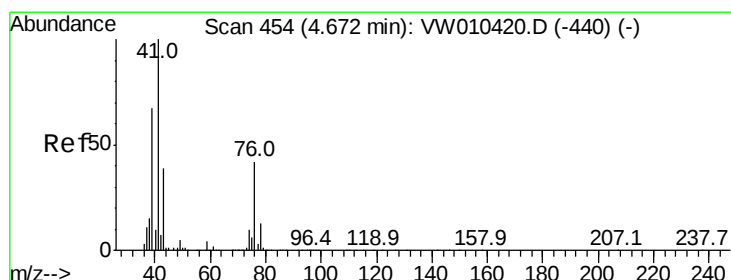
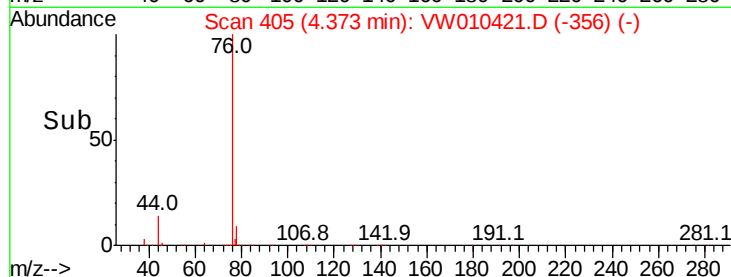
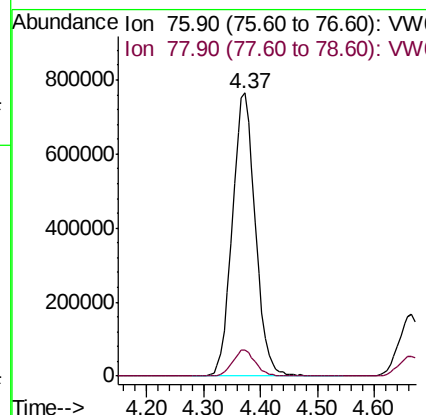
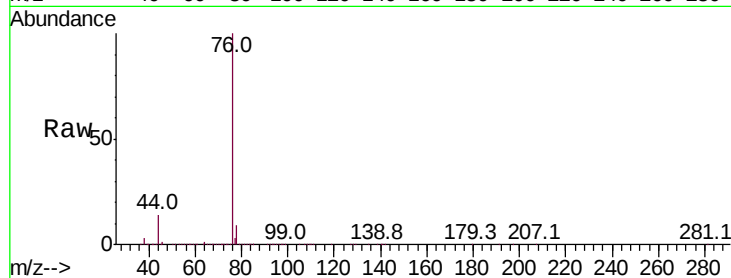
#17
Carbon Disulfide
Concen: 96.907 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 2153642
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

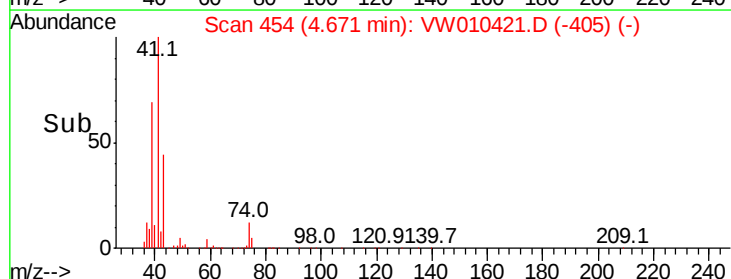
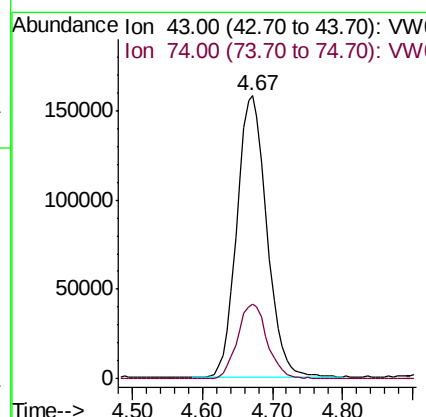
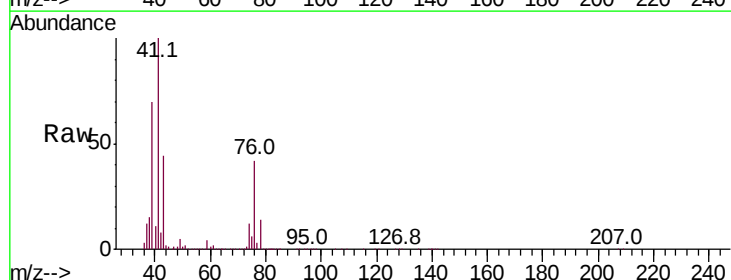
Manual Integrations
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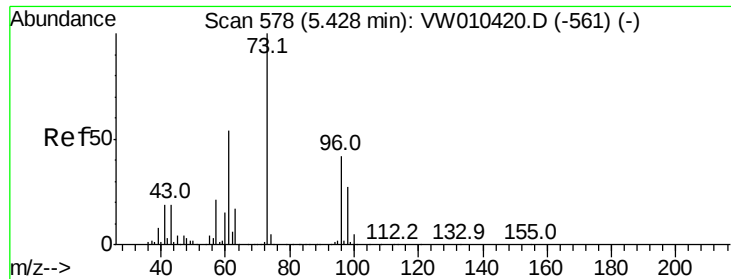
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#18
Methyl Acetate
Concen: 94.797 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 43 Resp: 469748
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8





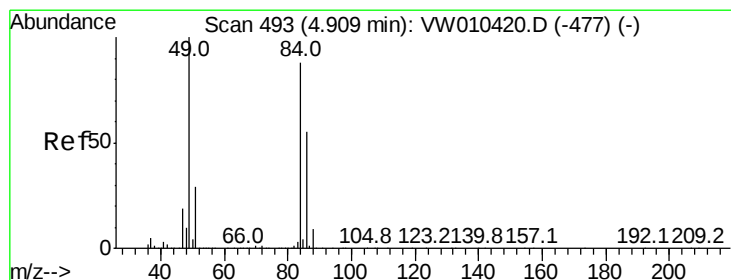
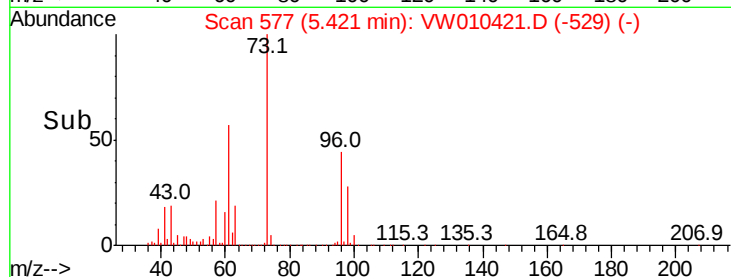
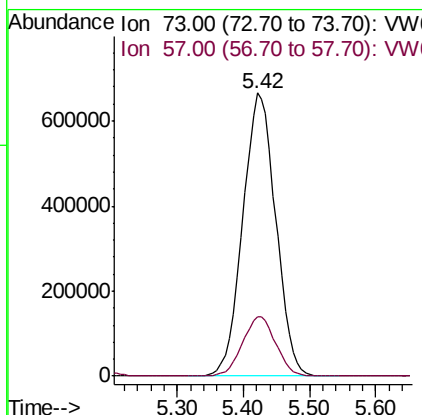
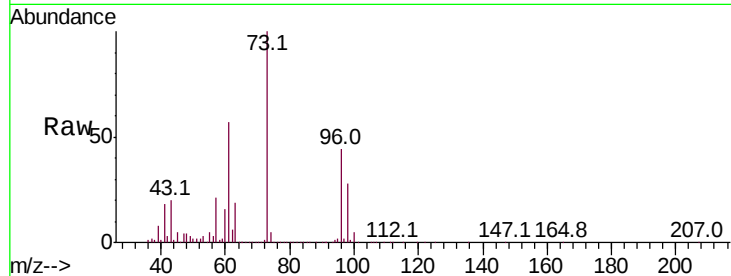
#19
Methvl tert-butvl Ether
Concen: 172.413 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2304303
Ion Ratio Lower Upper
73 100
57 21.1 17.0 25.4

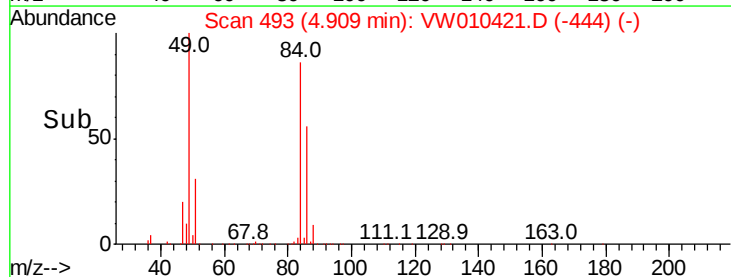
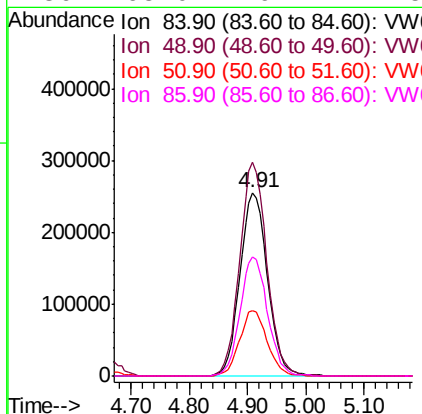
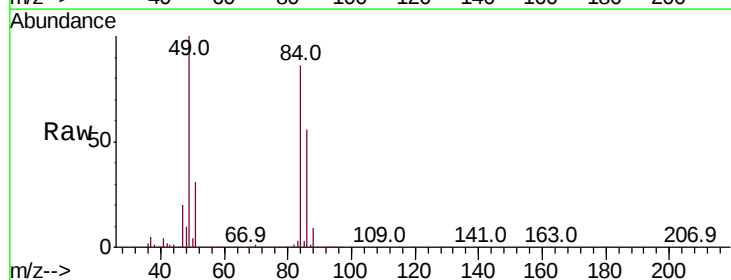
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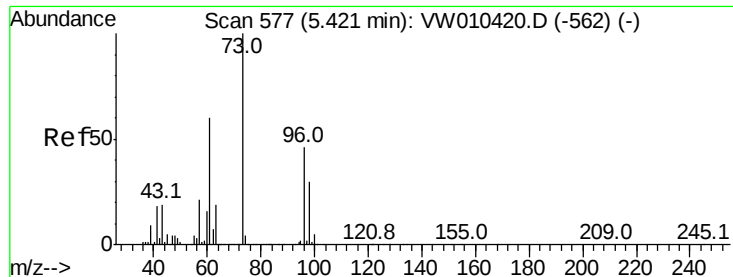
MMDadoda
5/20/2019 12:16:10 PM



#20
Methylene Chloride
Concen: 92.221 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 84 Resp: 836234
Ion Ratio Lower Upper
84 100
49 116.3 90.6 135.8
51 35.5 26.6 40.0
86 65.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 98.433 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 96 Resp: 896264

Ion Ratio Lower Upper

96 100

61 129.6 103.9 155.9

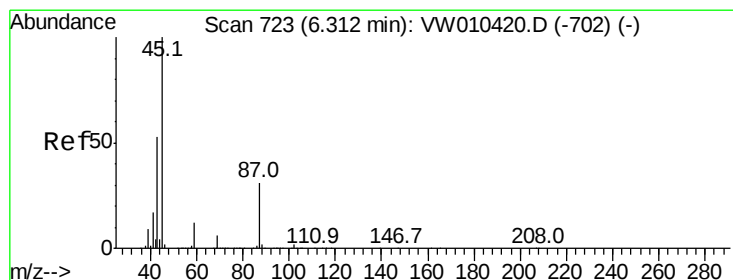
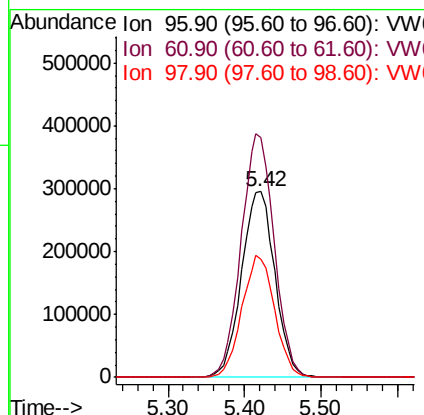
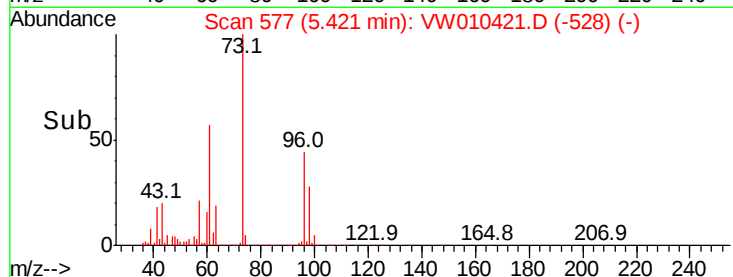
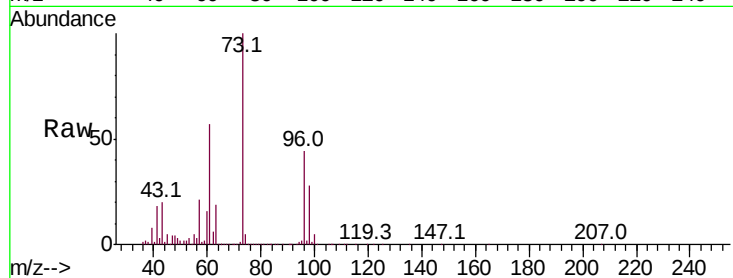
98 63.9 51.5 77.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 105.767 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion: 45 Resp: 2671417

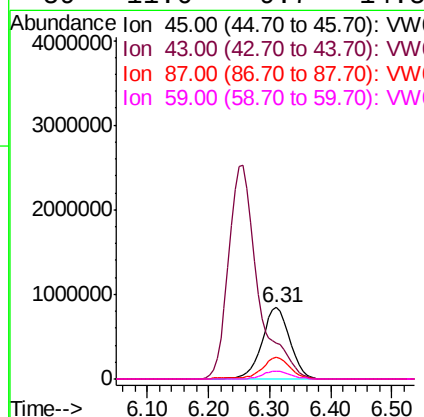
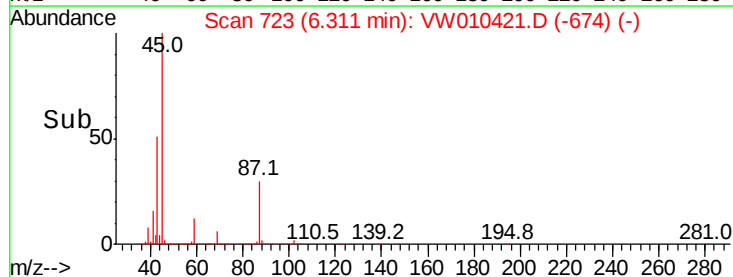
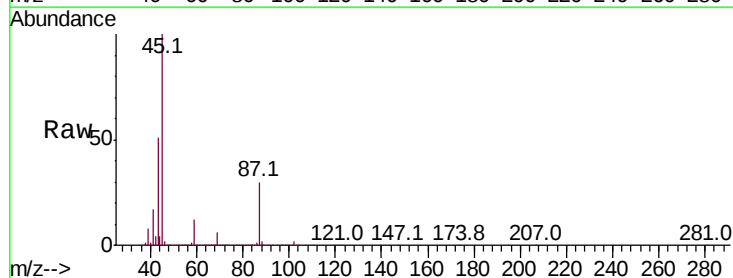
Ion Ratio Lower Upper

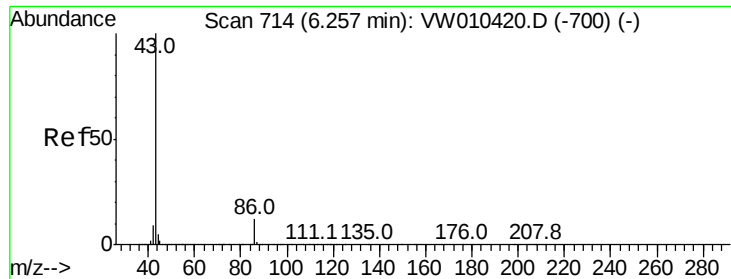
45 100

43 50.9 42.0 63.0

87 29.7 25.0 37.6

59 11.6 9.7 14.5





#23

Vinyl Acetate

Concen: 485.003 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 8339100

Ion Ratio Lower Upper

43 100

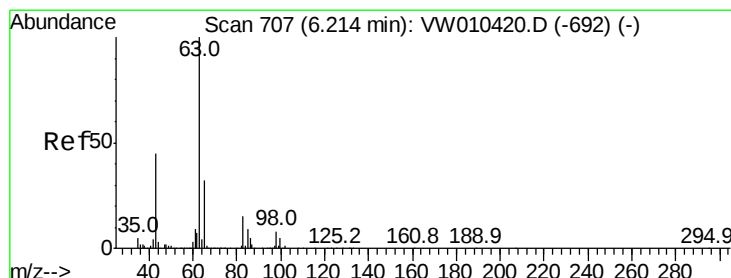
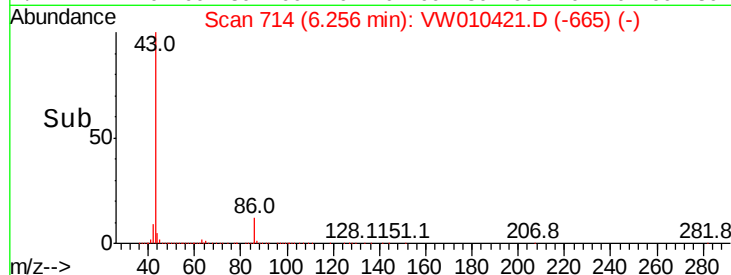
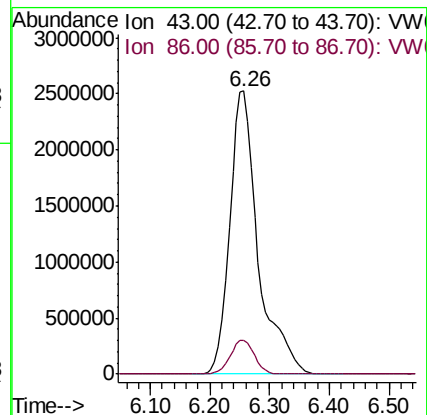
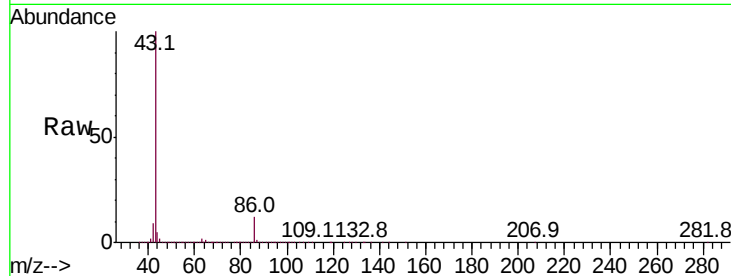
86 12.2 9.7 14.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 98.127 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

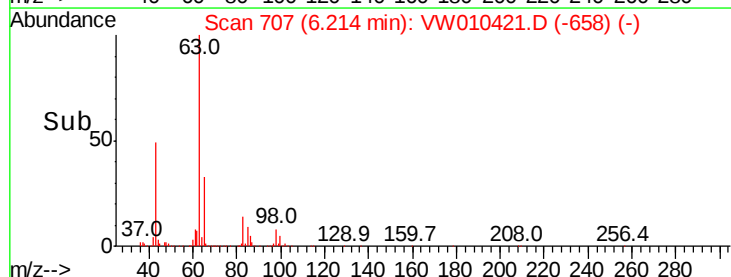
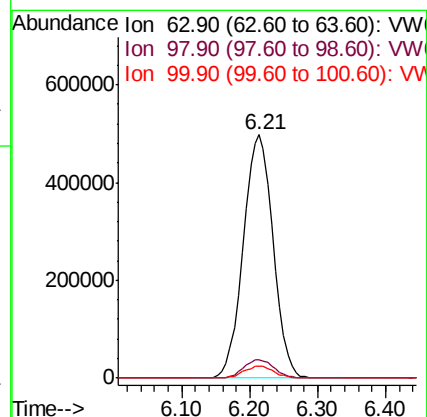
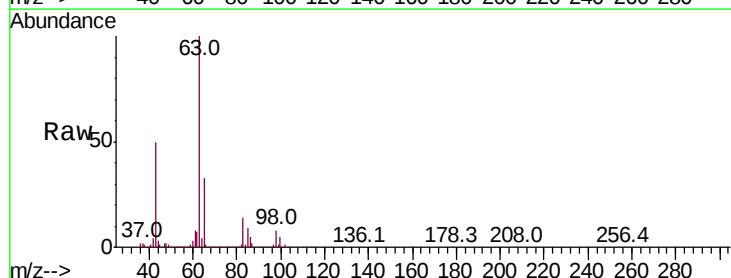
Tgt Ion: 63 Resp: 1511408

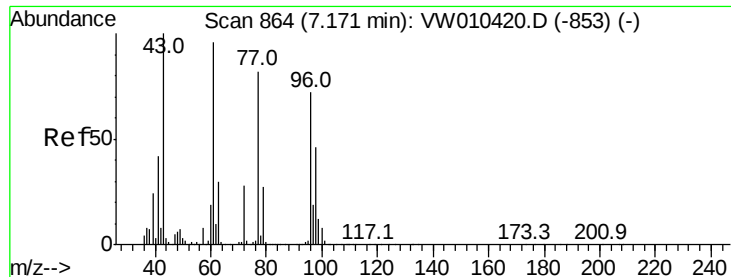
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 5.0 2.4 7.2





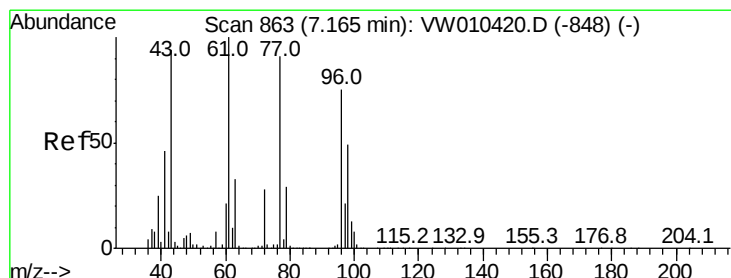
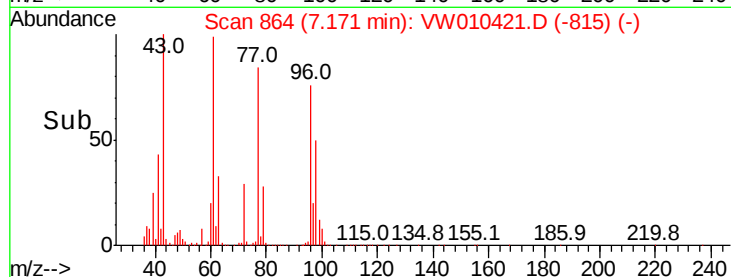
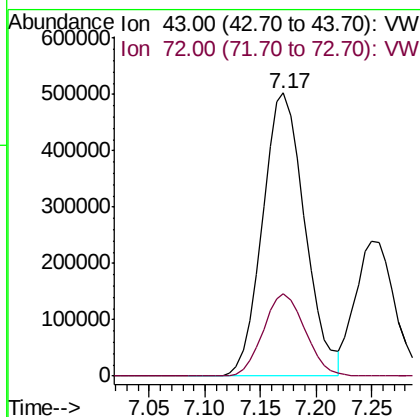
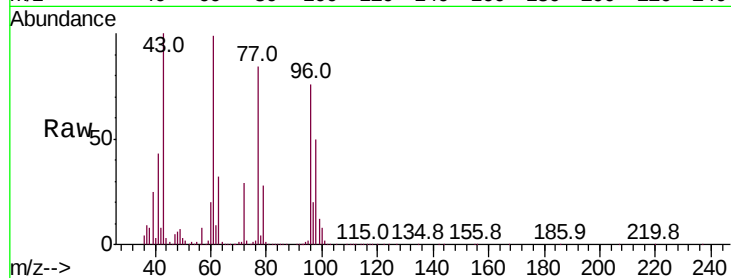
#25
2-Butanone
Concen: 456.974 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1328225
Ion Ratio Lower Upper
43 100
72 29.0 22.6 33.8

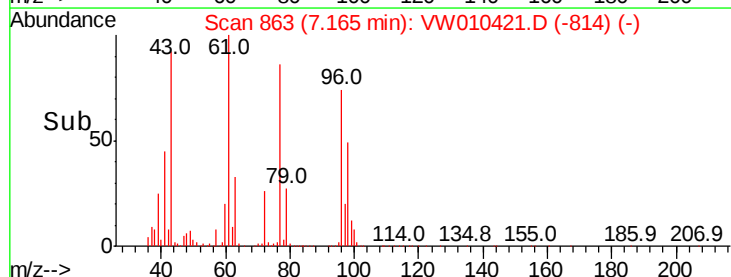
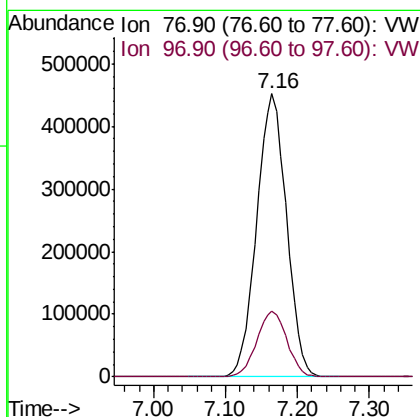
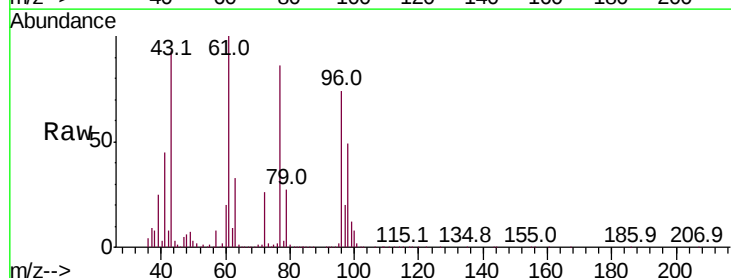
Manual Integrations
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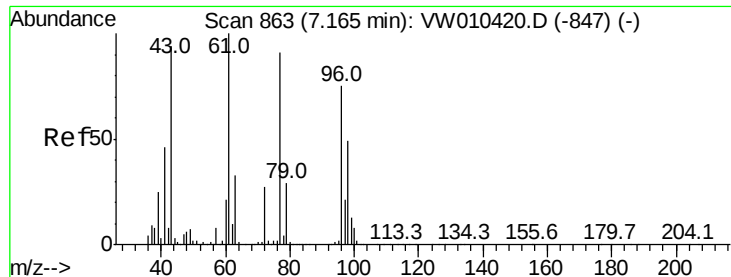
MMDadoda
5/20/2019 12:16:10 PM



#26
2,2-Dichloropropane
Concen: 148.162 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 77 Resp: 1298958
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.1





#27

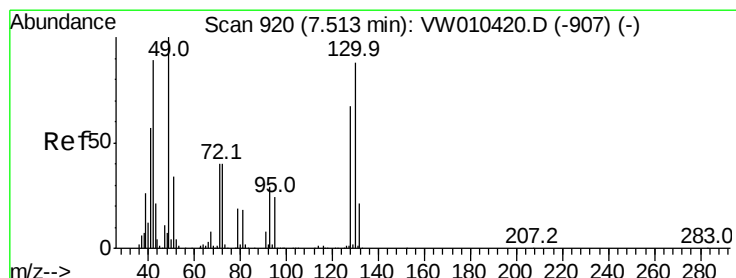
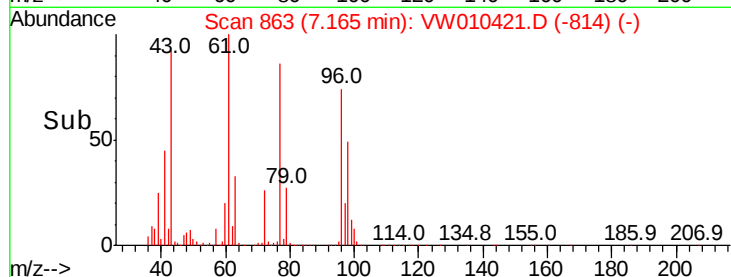
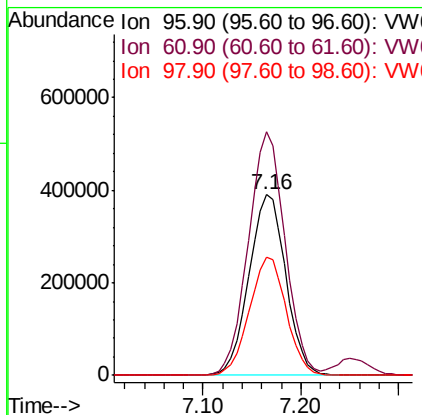
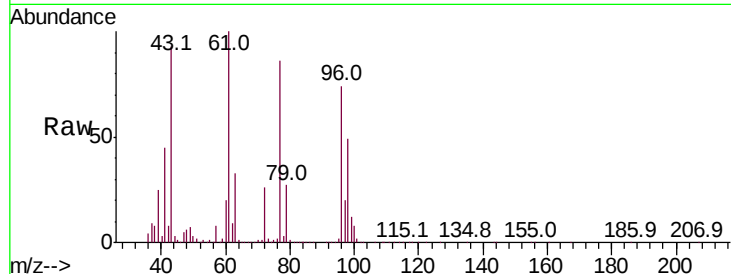
cis-1,2-Dichloroethene
 Concen: 97.673 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	266.4
98	65.3	0.0	129.6

Manual Integrations
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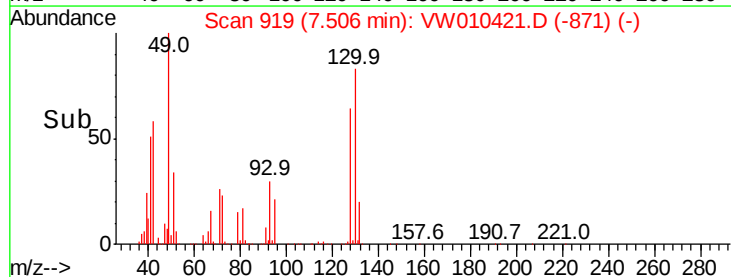
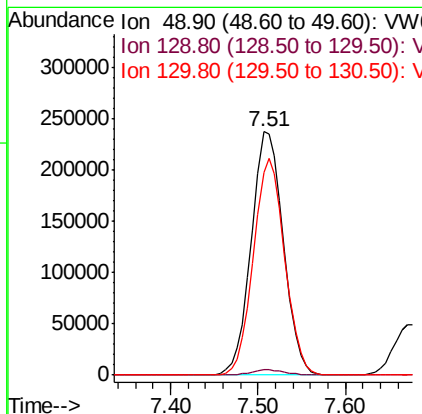
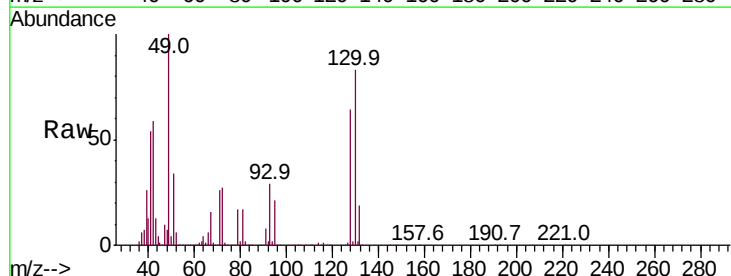
MMDadoda
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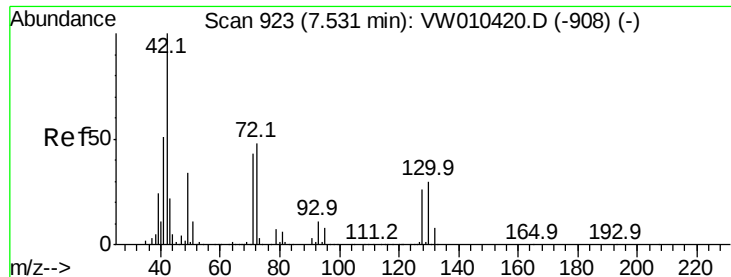


#28

Bromochloromethane
 Concen: 94.599 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	86.7	68.2	102.4





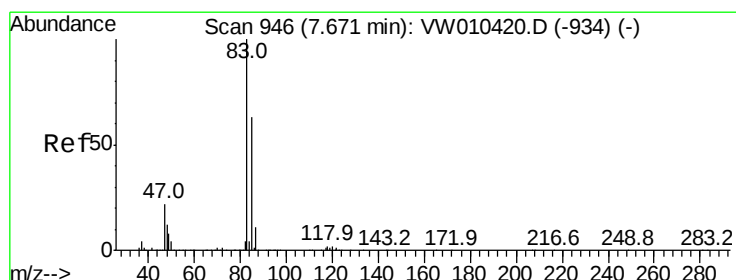
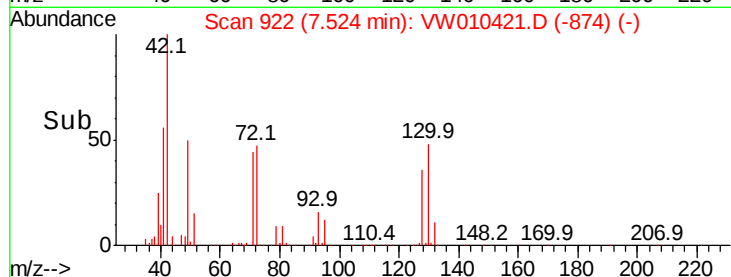
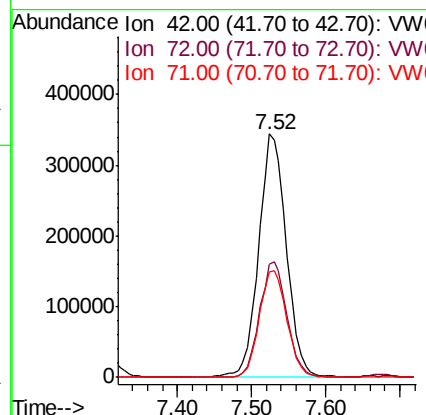
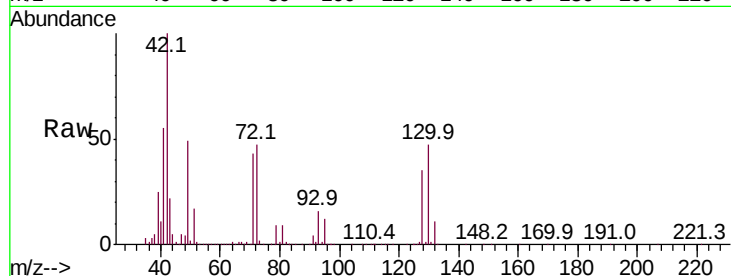
#29
Tetrahydrofuran
Concen: 457.400 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.2	57.2
71	44.0	36.0	54.0

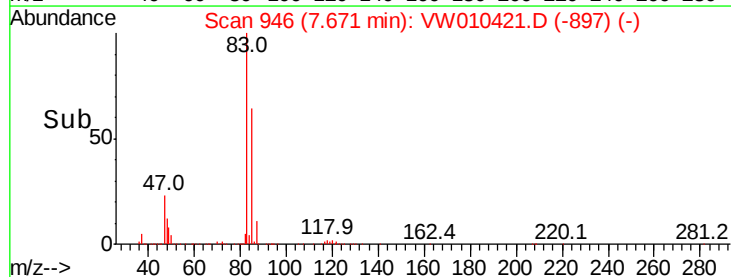
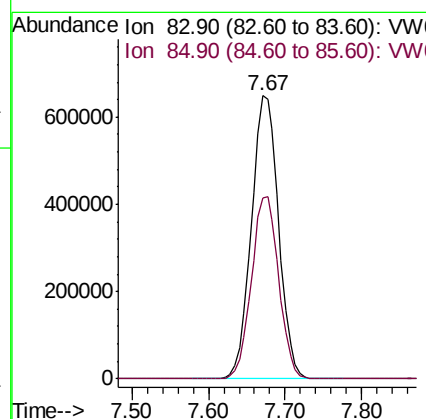
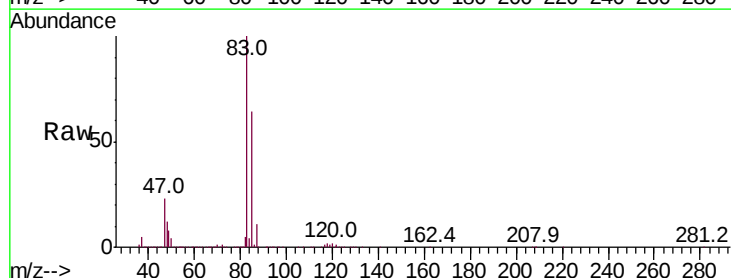
Manual Integrations
APPROVED

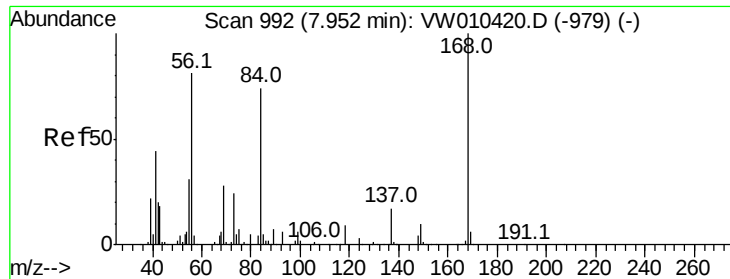
MMDadoda
5/20/2019 12:16:10 PM



#30
Chloroform
Concen: 99.046 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.8	76.2





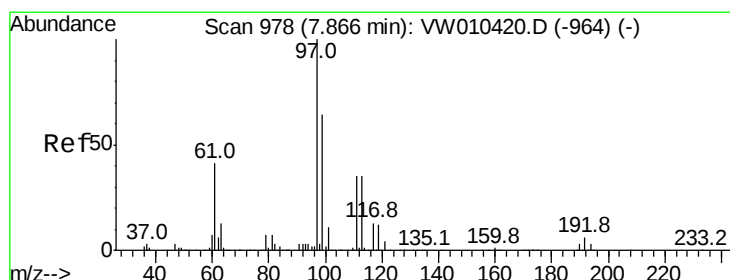
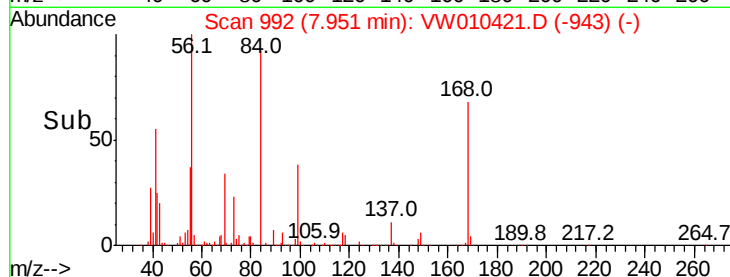
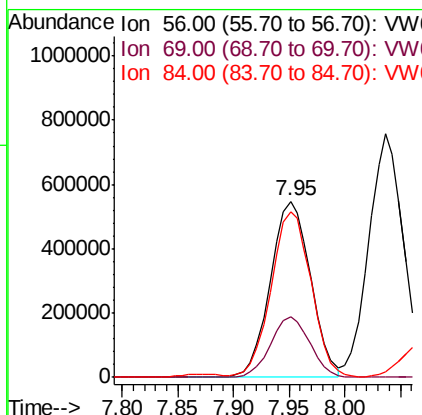
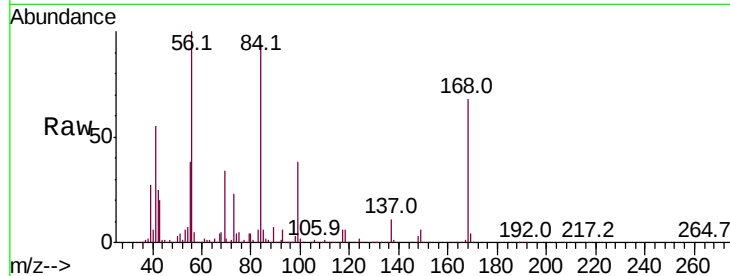
#31
Cyclohexane
Concen: 91.783 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1374822
Ion Ratio Lower Upper
56 100
69 34.1 27.6 41.4
84 92.6 72.9 109.3

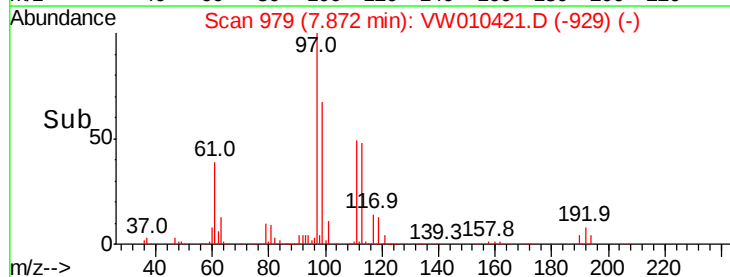
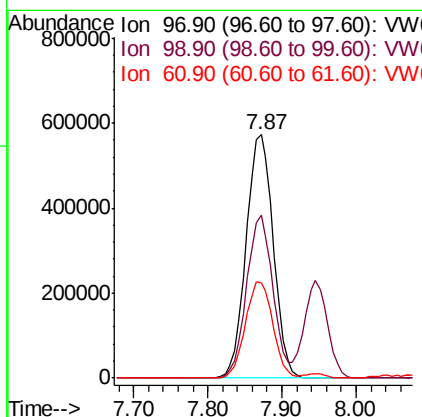
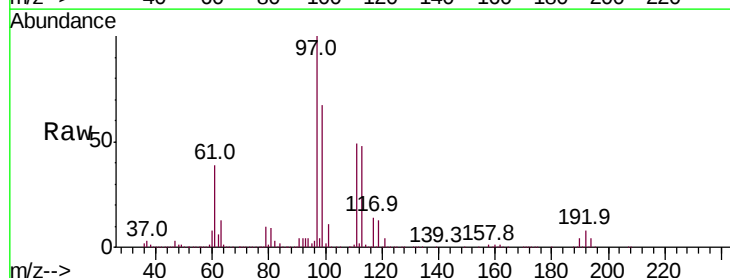
Manual Integrations
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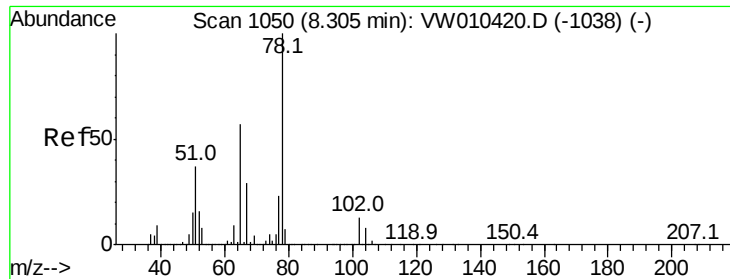
MMDadoda
5/20/2019 12:16:10 PM



#32
1,1,1-Trichloroethane
Concen: 112.220 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 97 Resp: 1464329
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 40.3 32.0 48.0





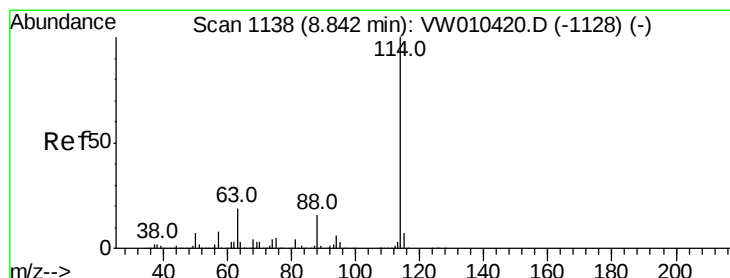
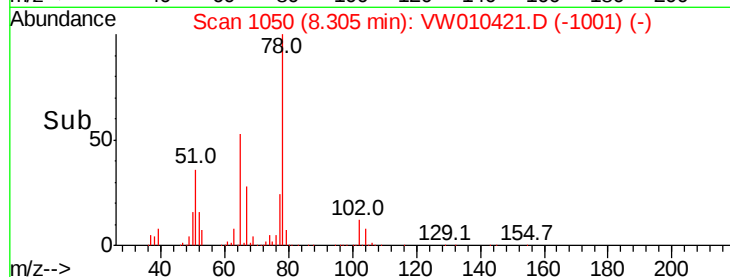
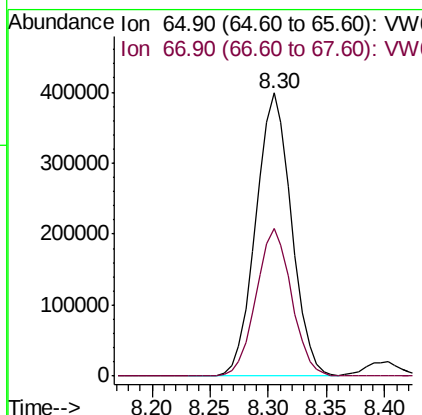
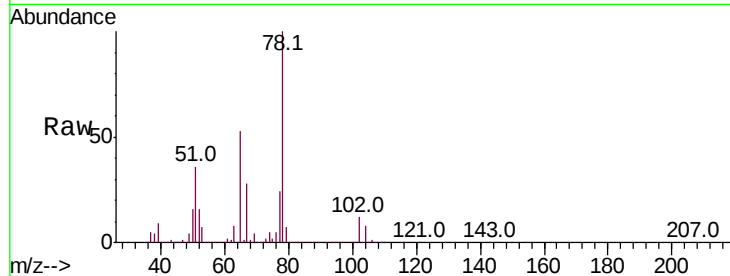
#33
 1,2-Dichloroethane-d4
 Concen: 98.295 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.2

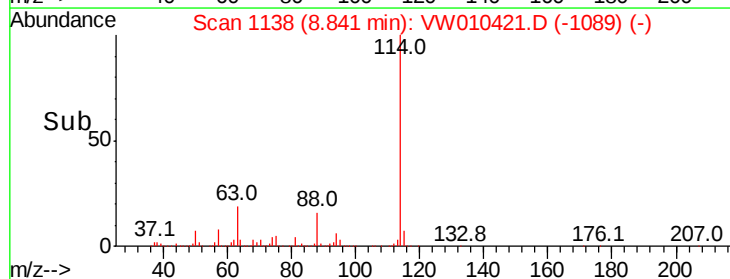
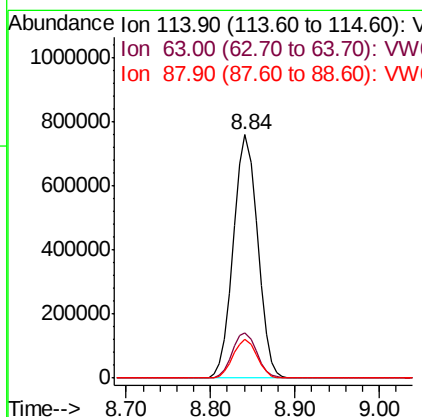
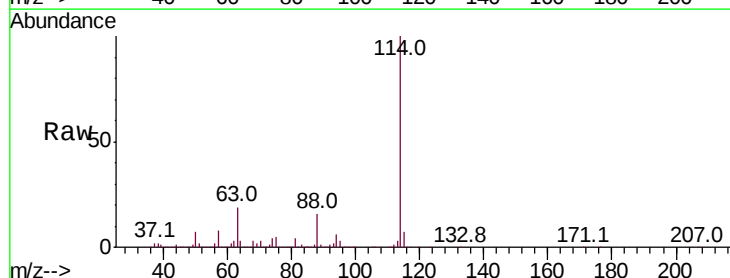
Manual Integrations
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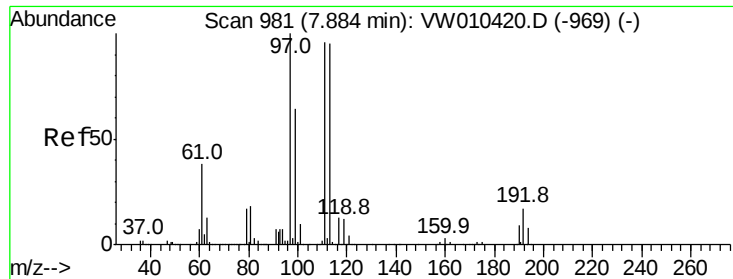
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.8
88	16.0	0.0	31.6





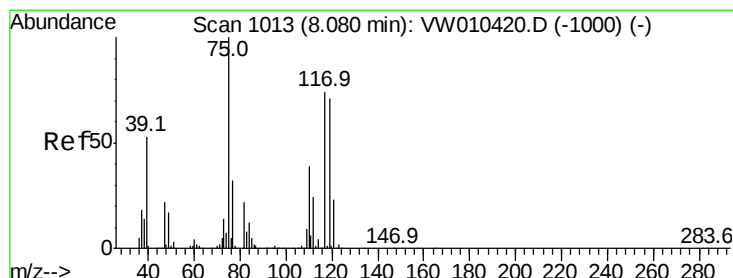
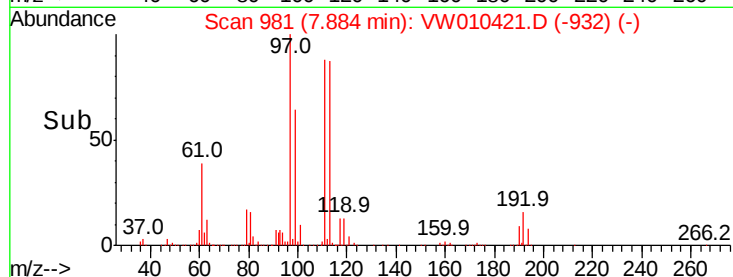
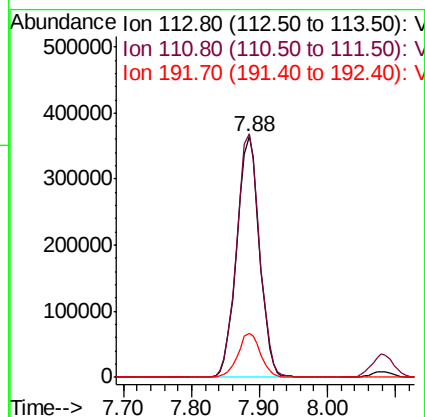
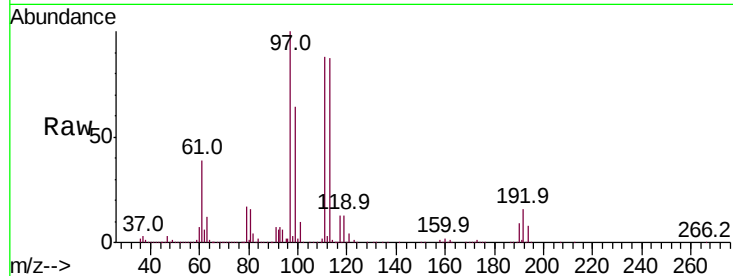
#35
 Dibromofluoromethane
 Concen: 95.984 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	842806		
111	102.1	82.5	123.7	
192	18.2	14.2	21.4	

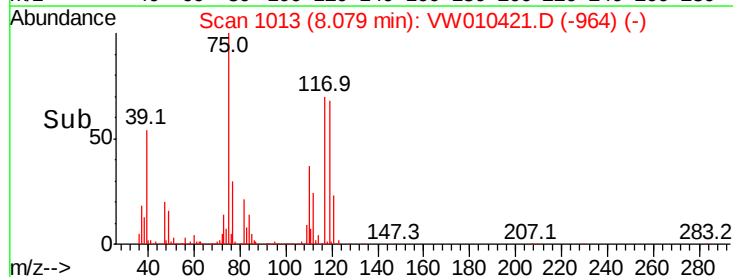
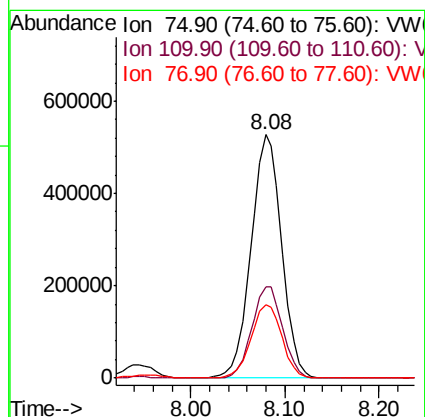
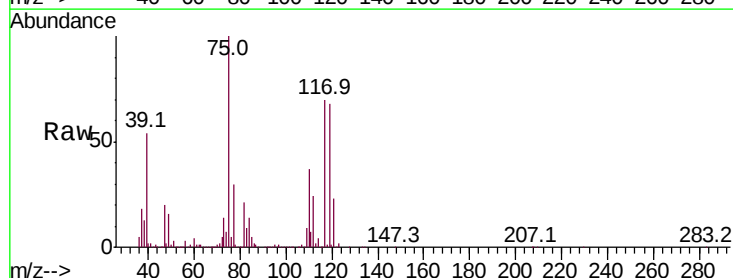
Manual Integrations
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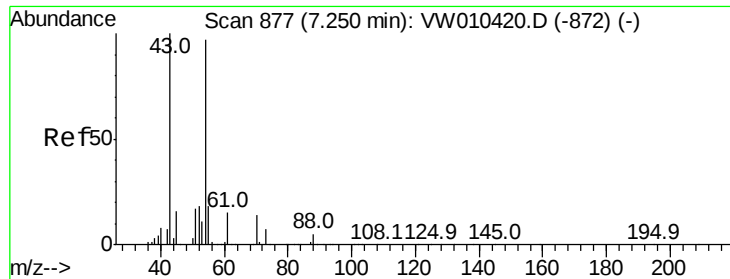
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 5/20/2019 12:16:10 PM



#36
 1,1-Dichloropropene
 Concen: 94.308 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1196165		
110	38.0	19.4	58.1	
77	30.6	24.7	37.1	





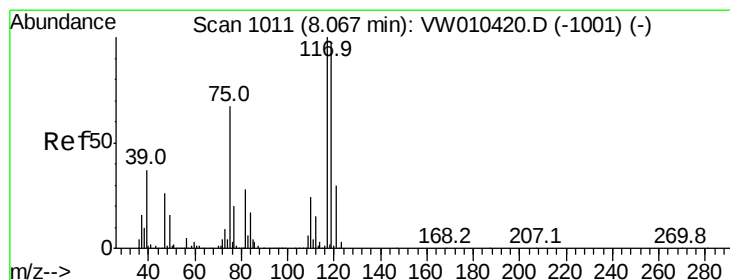
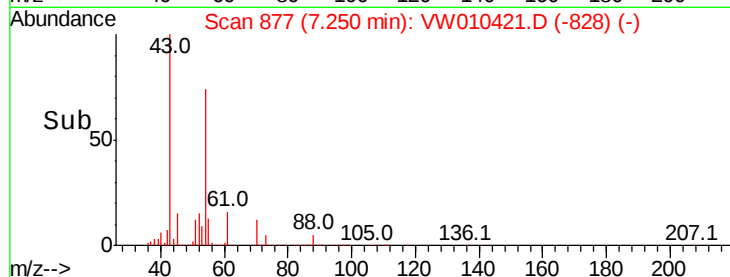
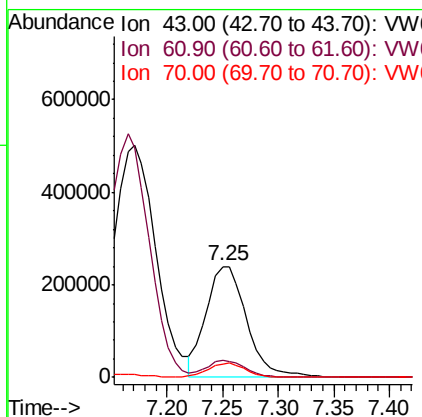
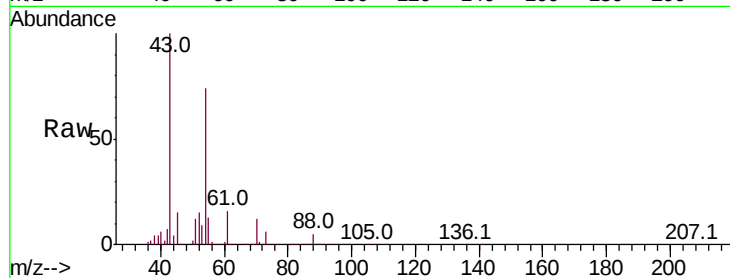
#37
Ethyl Acetate
Concen: 94.692 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	602216
Ion Ratio	100	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	12.3	9.4	14.0

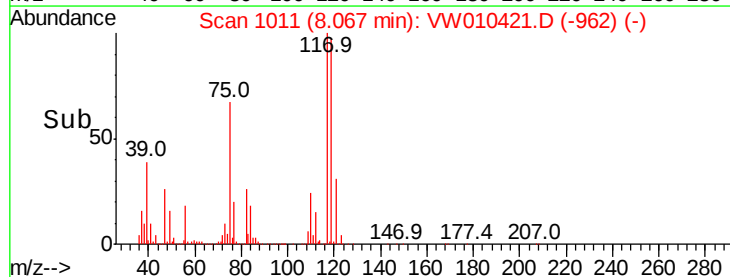
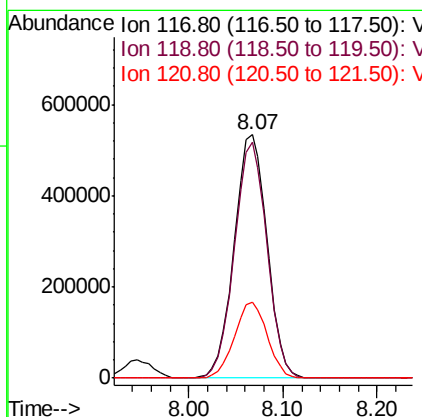
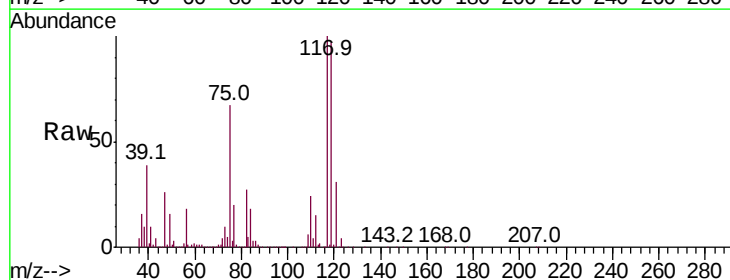
Manual Integrations
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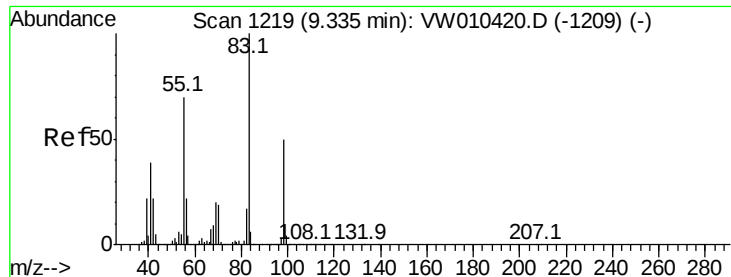
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#38
Carbon Tetrachloride
Concen: 99.950 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	117	Resp	1300181
Ion Ratio	100	Lower	Upper
117	100		
119	97.0	77.8	116.6
121	31.4	24.2	36.2





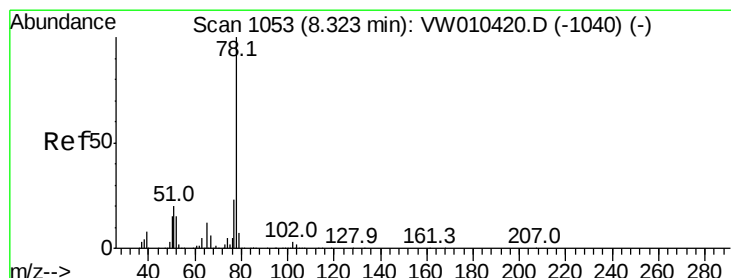
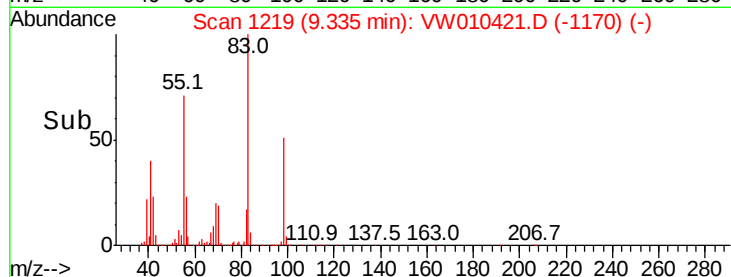
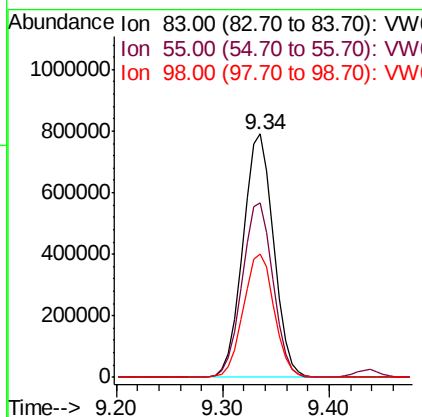
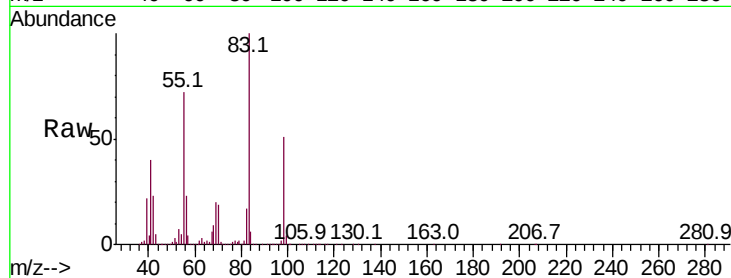
#39
Methvlcvclohexane
Concen: 95.471 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 1604110
Ion Ratio Lower Upper
83 100
55 71.5 55.7 83.5
98 50.5 40.2 60.4

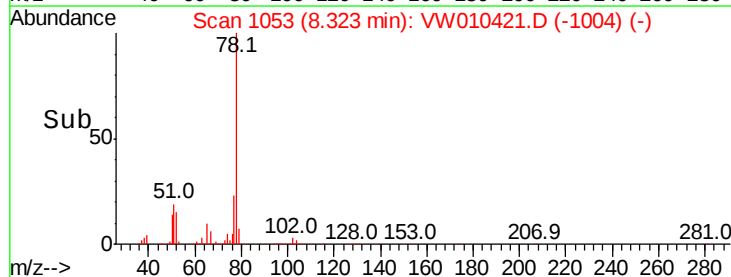
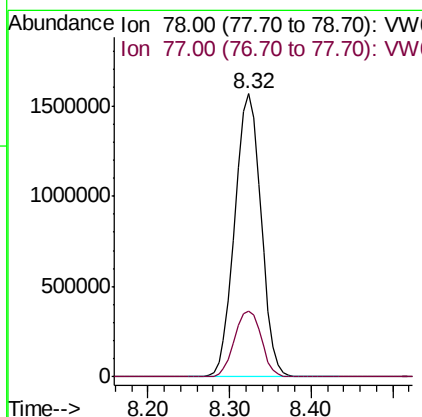
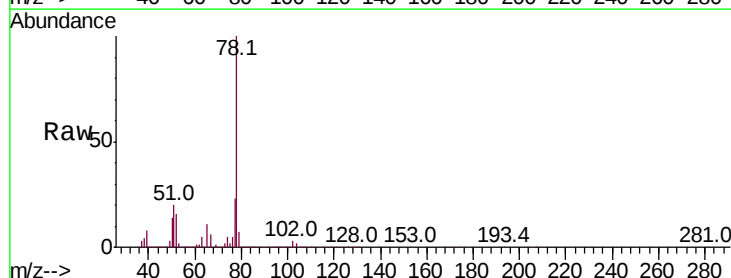
Manual Integrations
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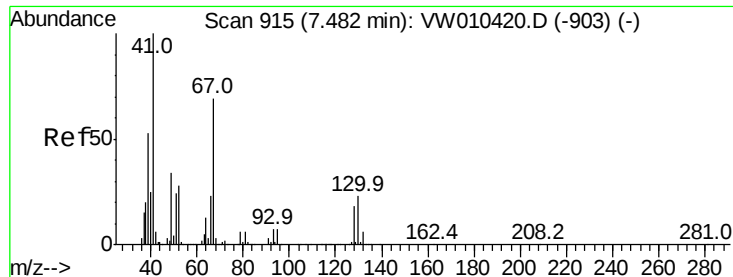
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#40
Benzene
Concen: 94.193 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 78 Resp: 3475243
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1





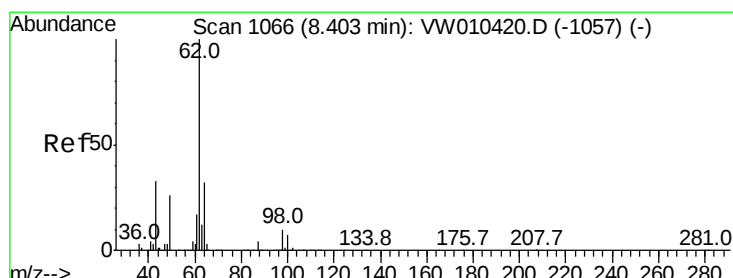
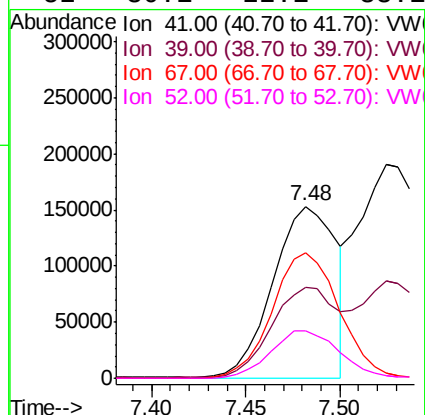
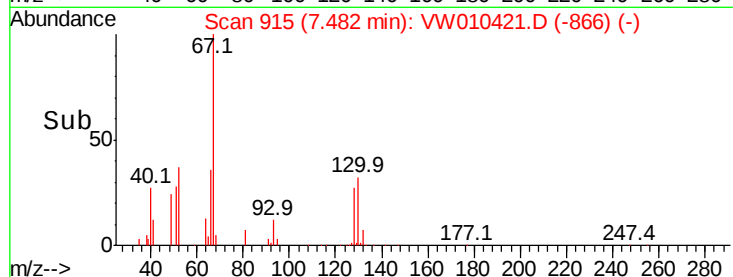
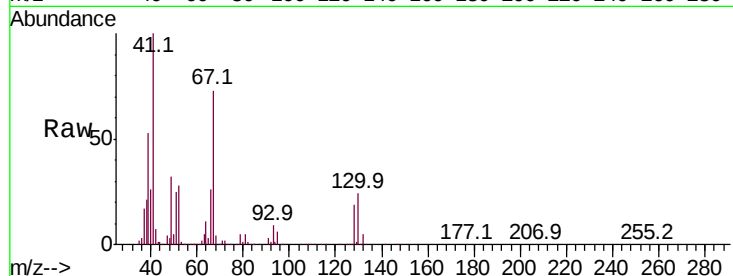
#41
Methacrylonitrile
Concen: 91.924 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	38.1	57.1
67	77.5	55.5	83.3
52	30.1	22.1	33.1

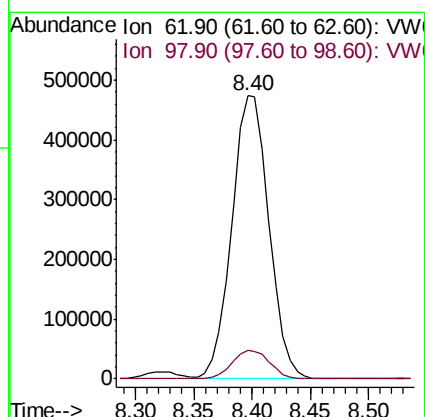
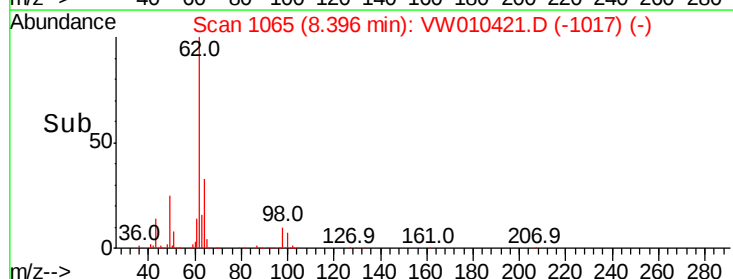
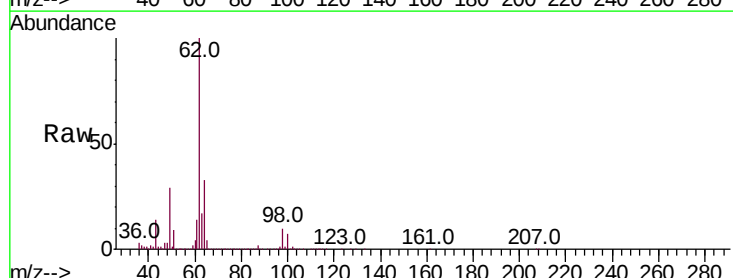
Manual Integrations
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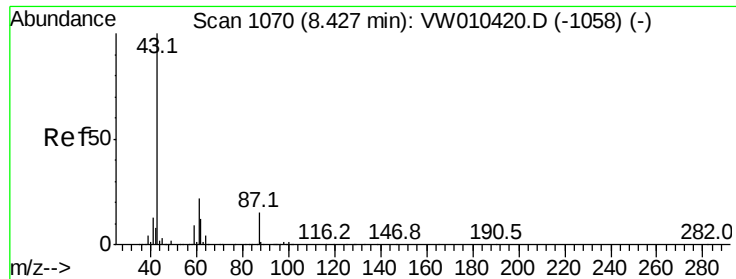
MMDadoda
5/20/2019 12:16:10 PM



#42
1,2-Dichloroethane
Concen: 97.479 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 95.025 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1245062

Ion Ratio Lower Upper

43 100

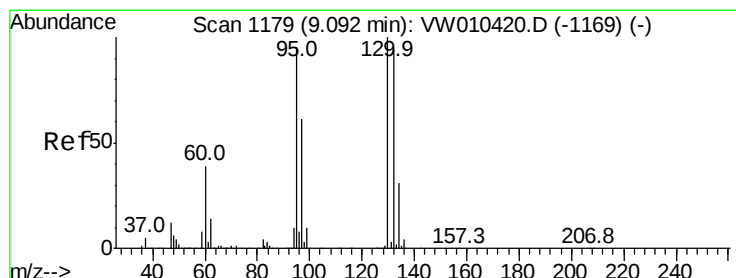
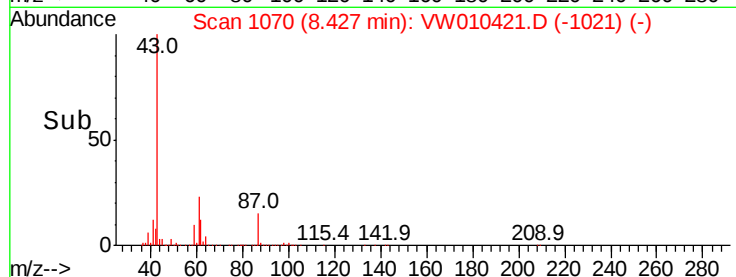
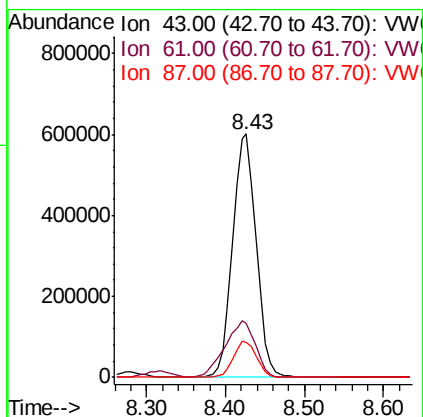
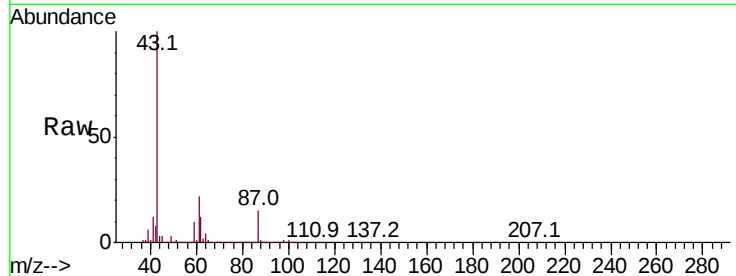
61 30.0 24.4 36.6

87 14.6 11.8 17.8

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#44

Trichloroethene

Concen: 95.787 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010421.D

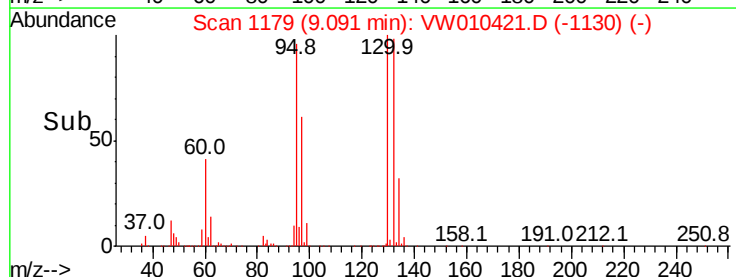
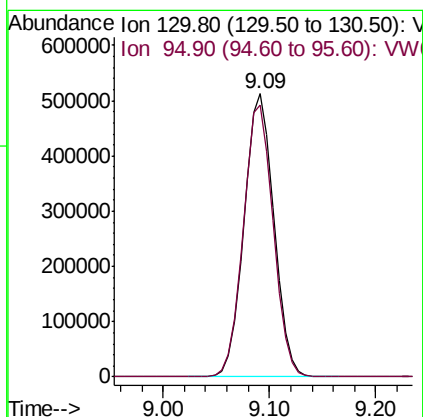
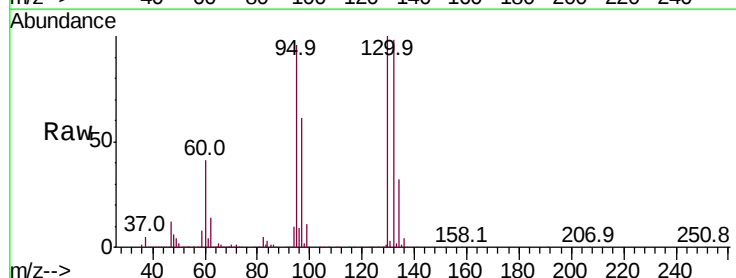
Acq: 17 May 2019 18:50

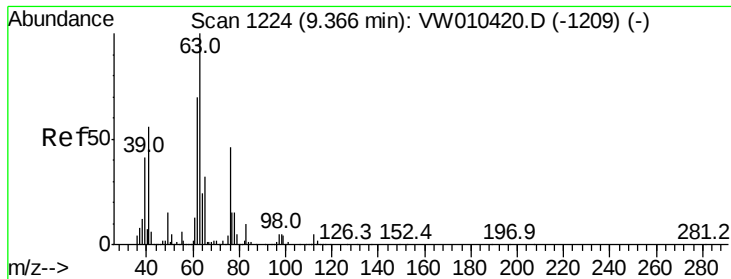
Tgt Ion: 130 Resp: 1009324

Ion Ratio Lower Upper

130 100

95 96.1 0.0 190.4





#45

1,2-Dichloropropane

Concen: 94.530 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 865276

Ion Ratio Lower Upper

63 100

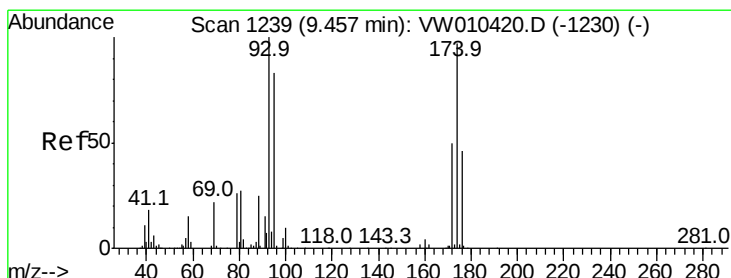
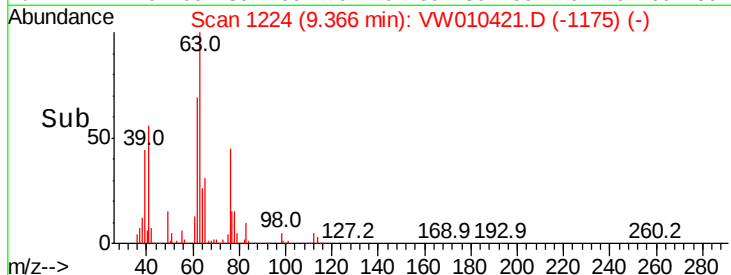
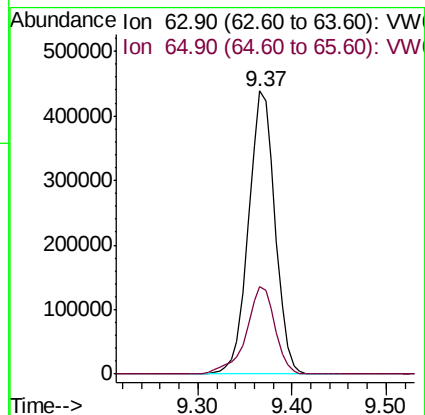
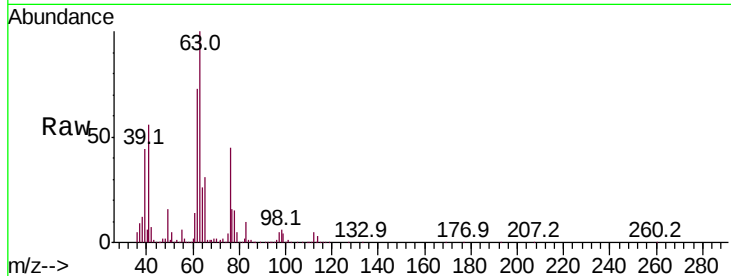
65 31.1 25.4 38.2

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#46

Dibromomethane

Concen: 96.577 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

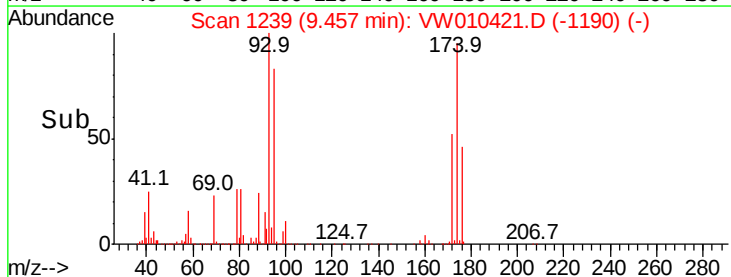
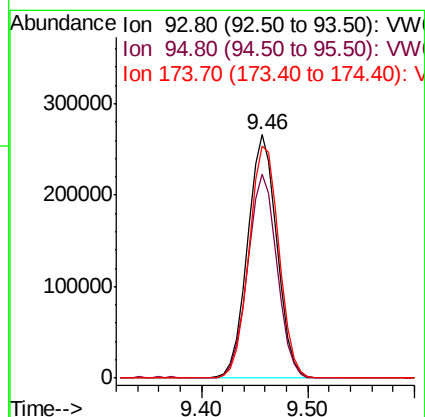
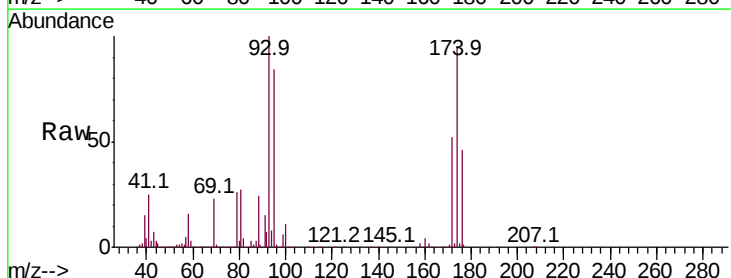
Tgt Ion: 93 Resp: 514746

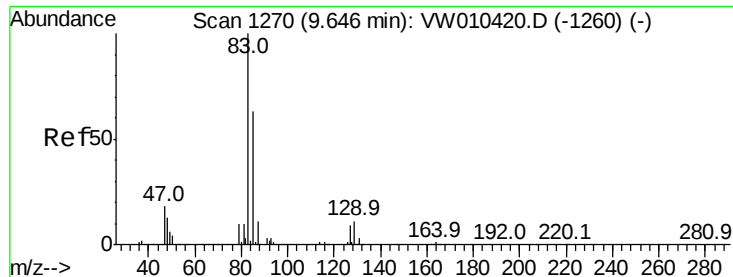
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 97.7 76.4 114.6





#47

Bromodichloromethane

Concen: 98.762 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

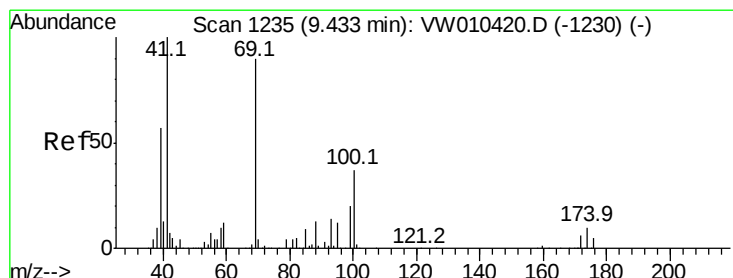
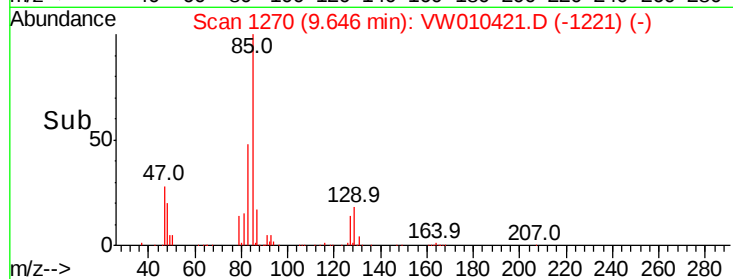
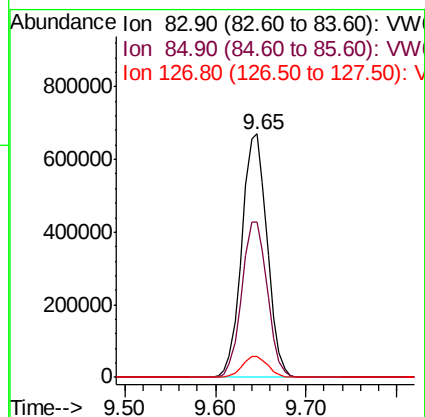
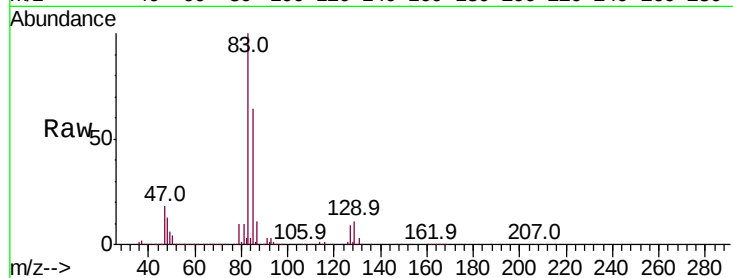
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	1290874
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.0	75.0
127	8.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 94.492 ug/l

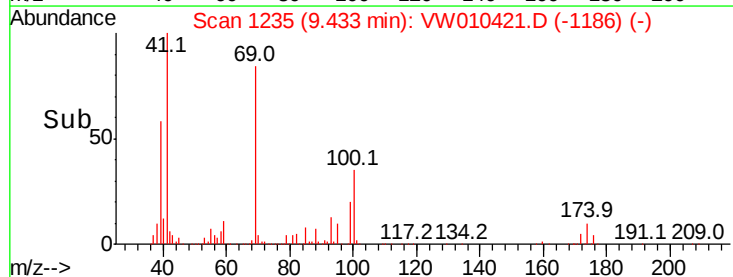
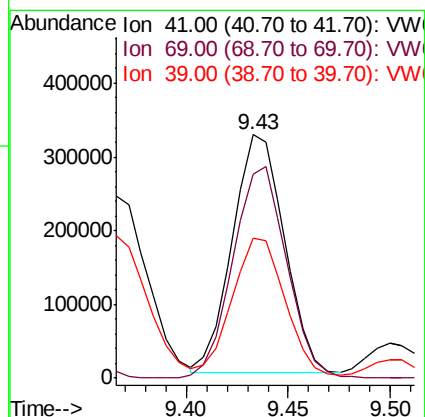
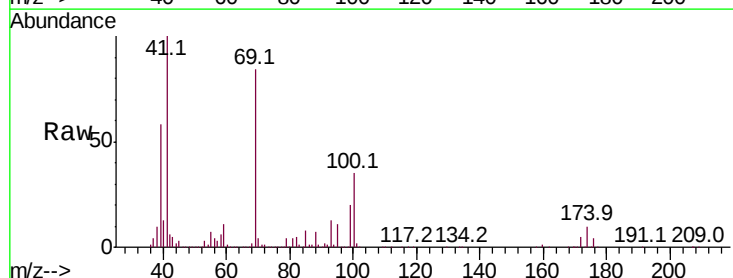
RT: 9.43 min Scan# 1235

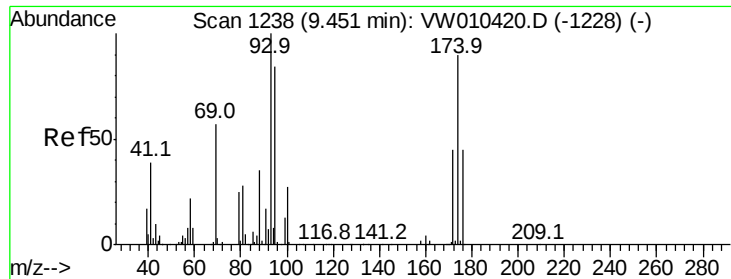
Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion:	41	Resp:	569047
Ion	Ratio	Lower	Upper
41	100		
69	92.0	75.2	112.8
39	61.2	46.8	70.2





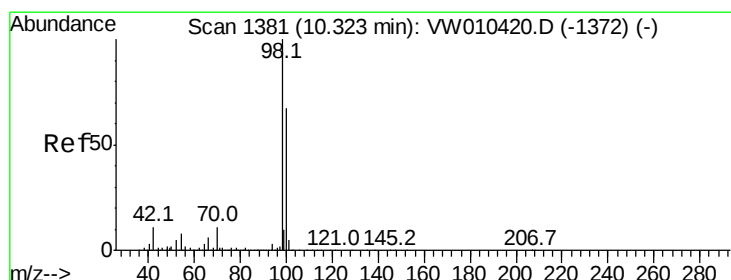
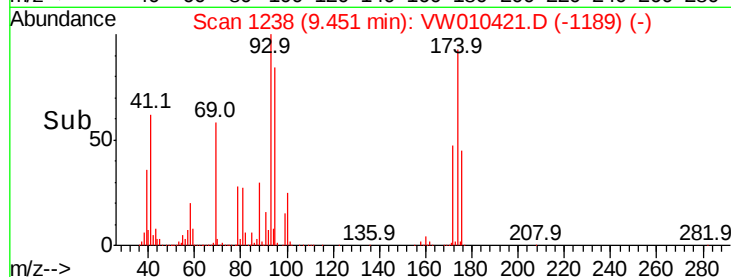
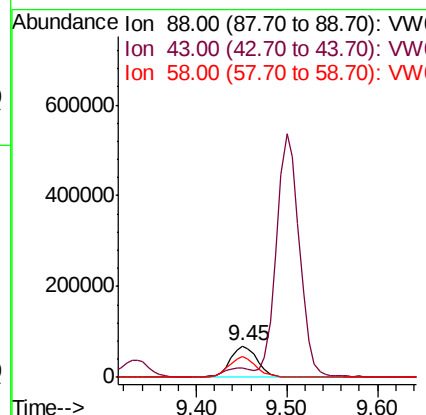
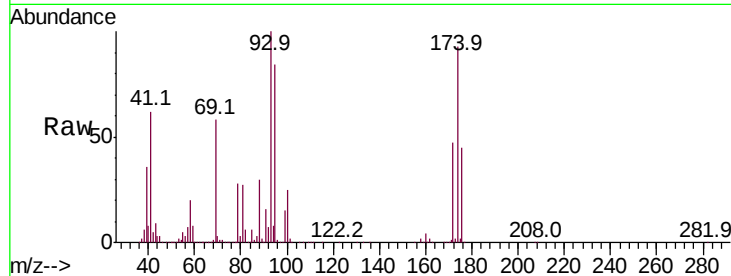
#49
1,4-Dioxane
Concen: 1516.793 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.9	37.3
58	70.8	55.0	82.6

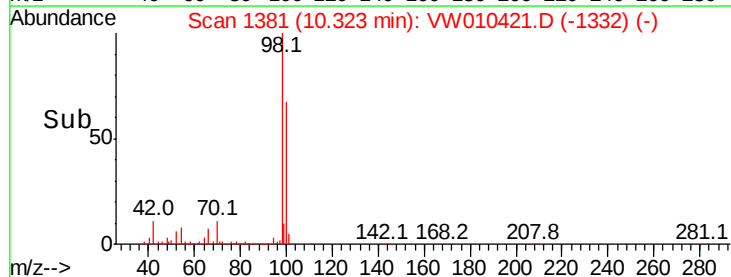
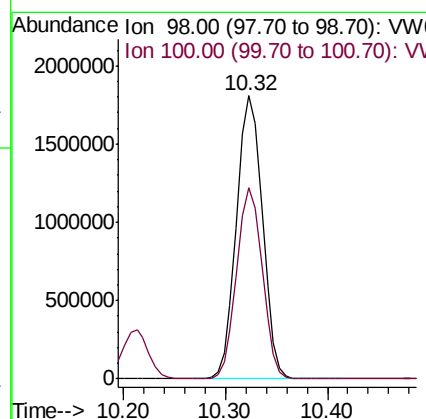
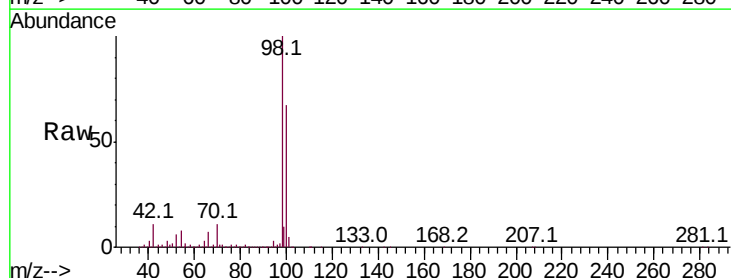
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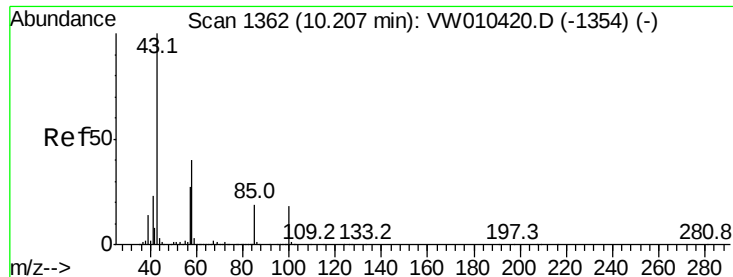
MMDadoda
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#50
Toluene-d8
Concen: 95.703 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 465.253 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3155839

Ion Ratio Lower Upper

43 100

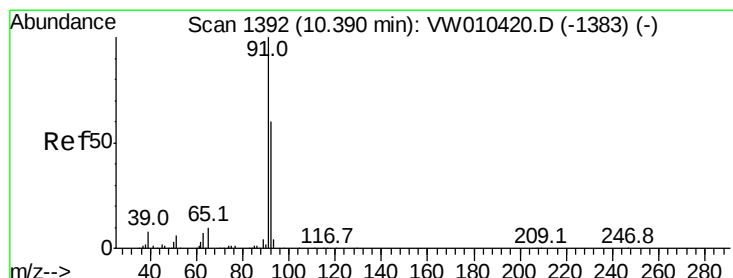
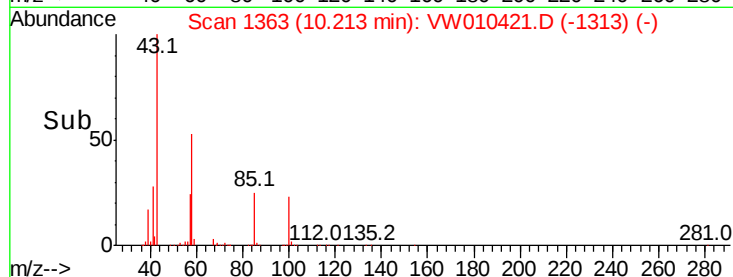
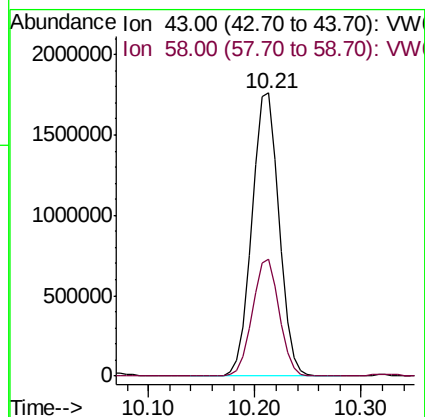
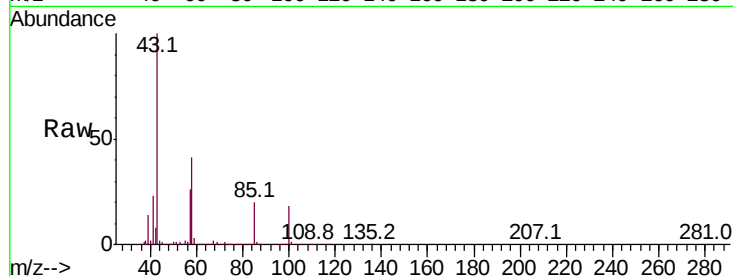
58 40.6 32.7 49.1

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#52

Toluene

Concen: 94.326 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010421.D

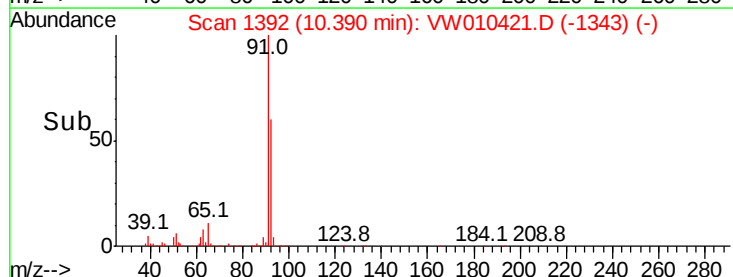
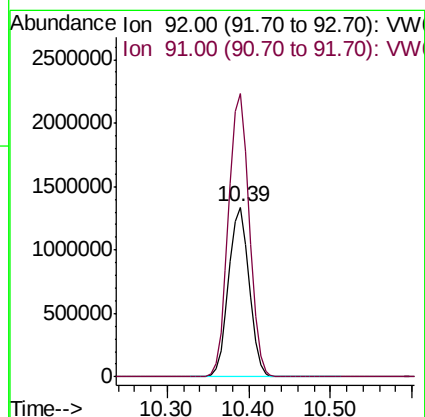
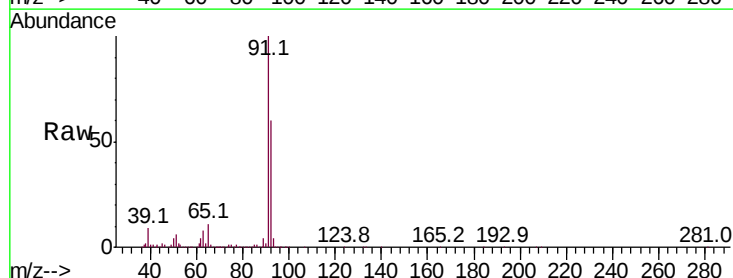
Acq: 17 May 2019 18:50

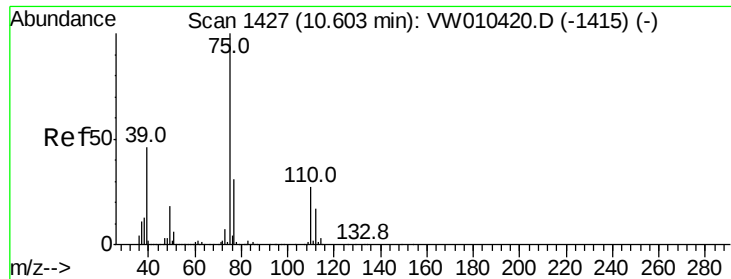
Tgt Ion: 92 Resp: 2319270

Ion Ratio Lower Upper

92 100

91 168.7 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 96.912 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1334261

Ion Ratio Lower Upper

75 100

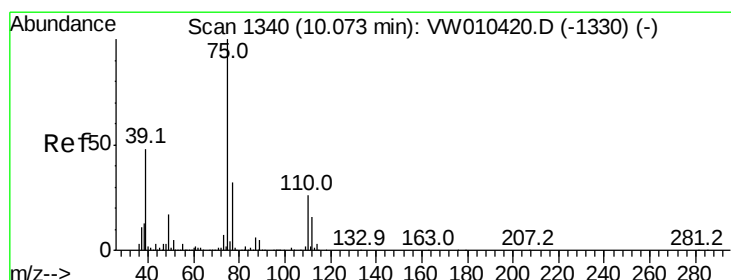
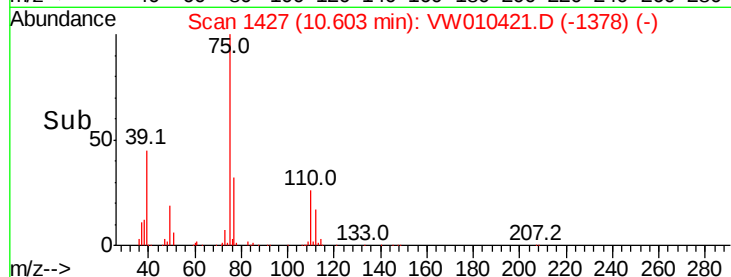
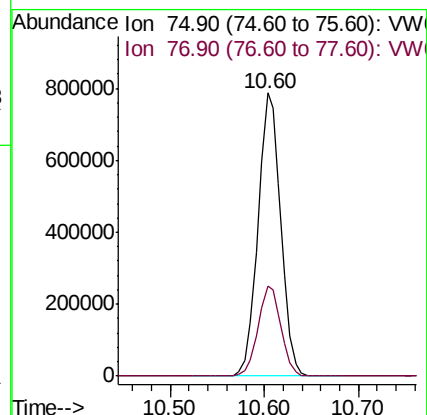
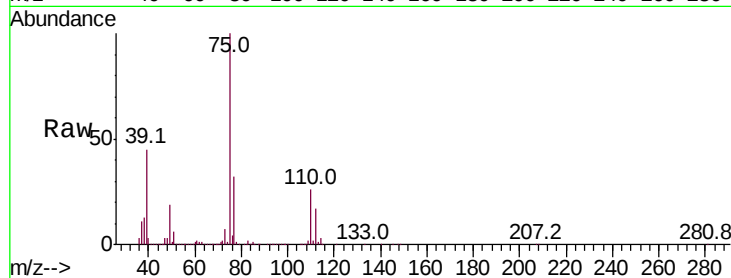
77 31.6 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 96.976 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

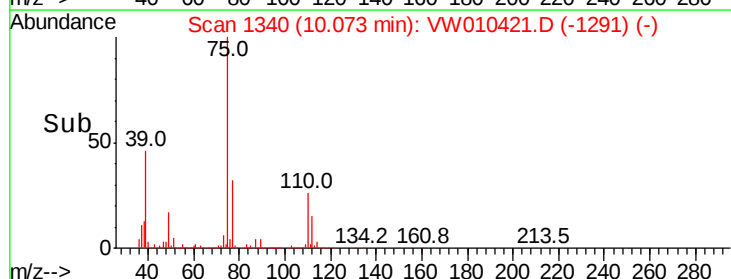
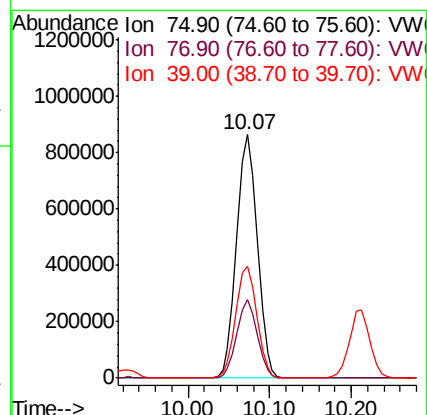
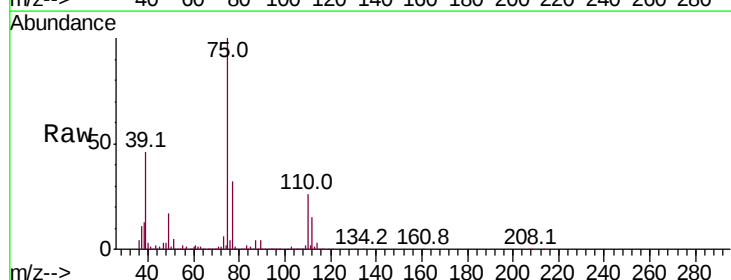
Tgt Ion: 75 Resp: 1509452

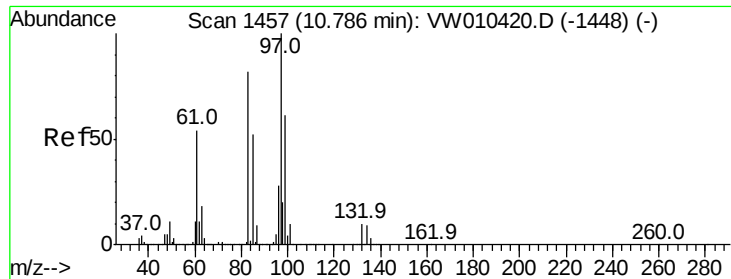
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 46.0 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 96.858 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

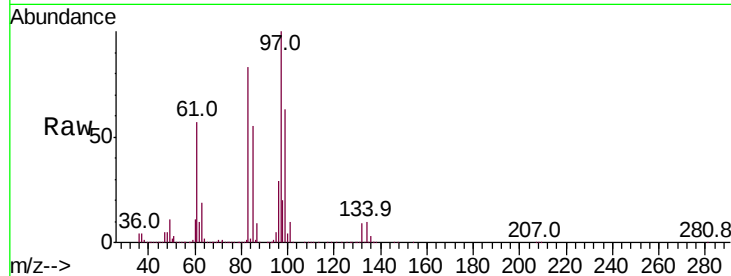
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	65.6	98.4
85	55.1	41.6	62.4
99	62.7	48.8	73.2

Manual Integrations
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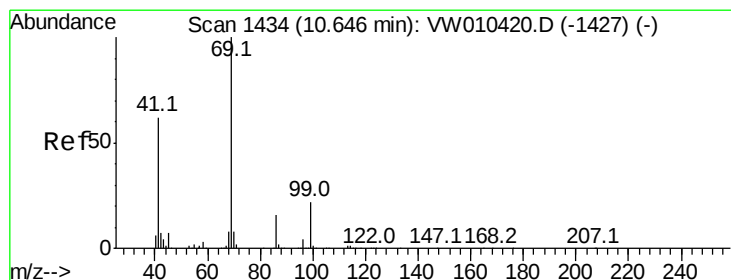
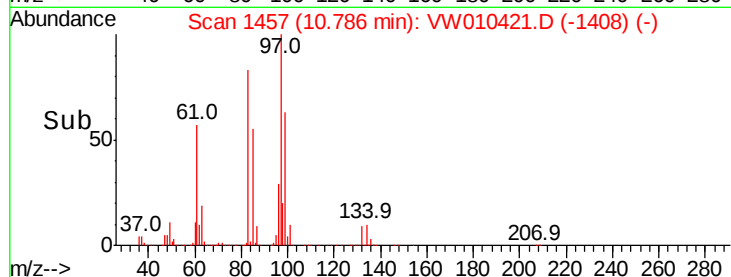
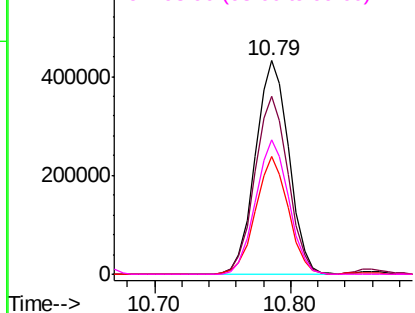
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 96.991 ug/l

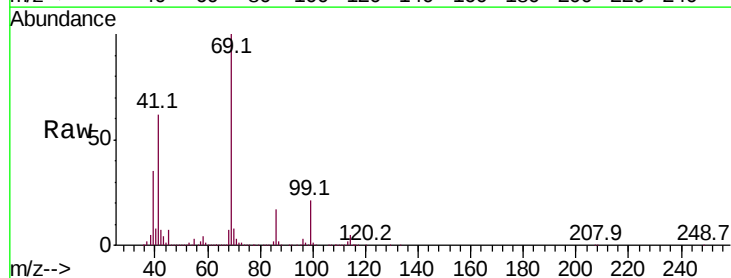
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.0	75.0
39	32.8	26.5	39.7

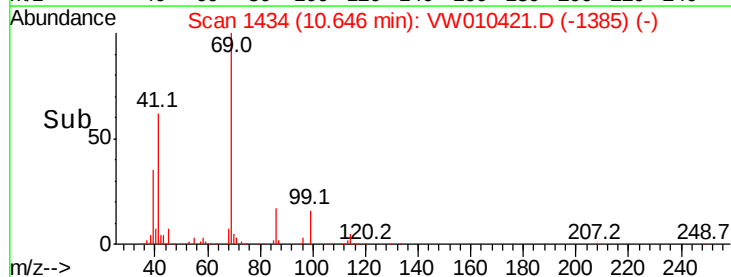
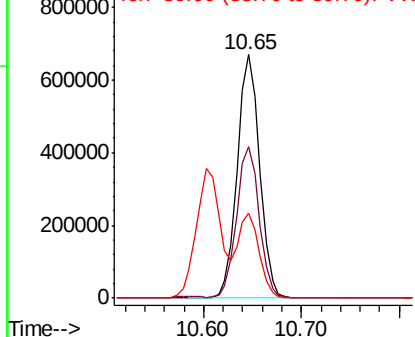


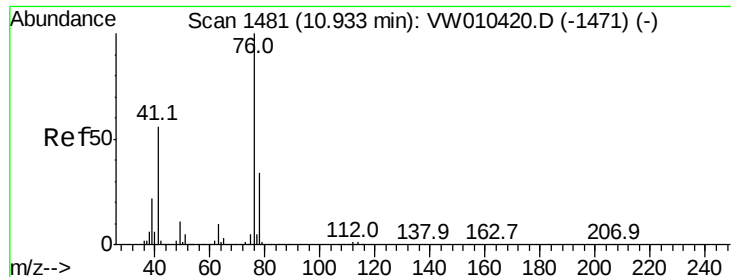
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 97.061 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1251229

Ion Ratio Lower Upper

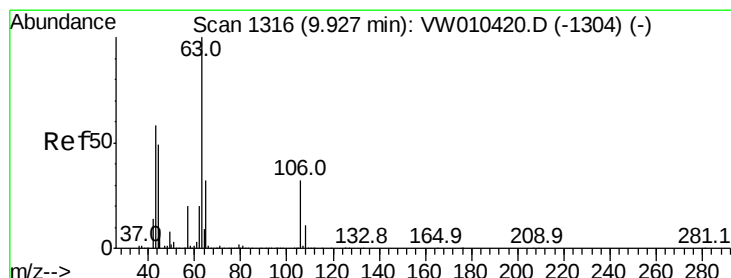
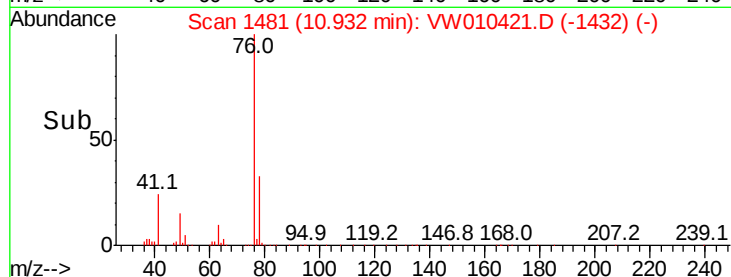
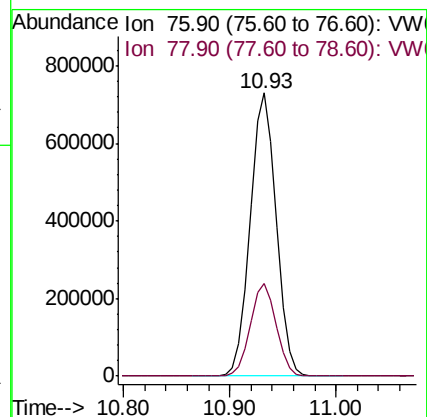
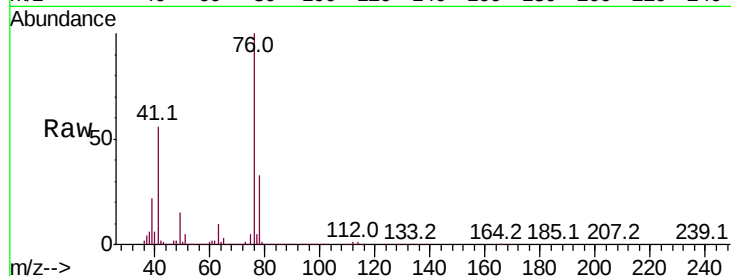
76 100

78 32.5 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 541.538 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010421.D

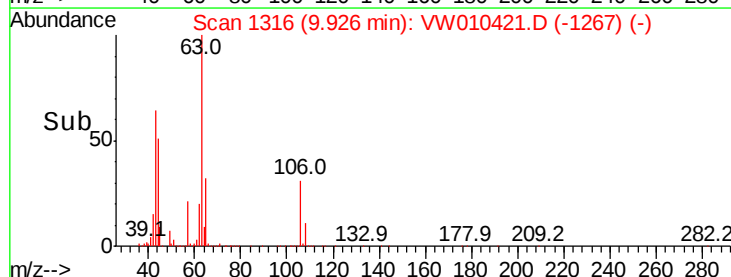
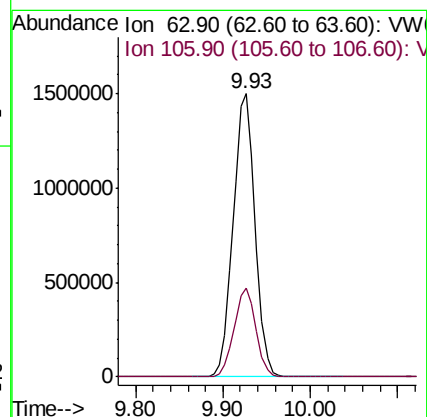
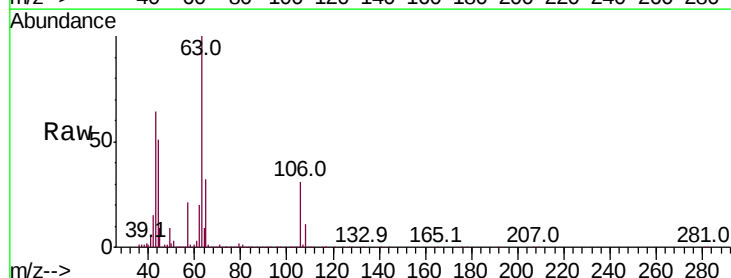
Acq: 17 May 2019 18:50

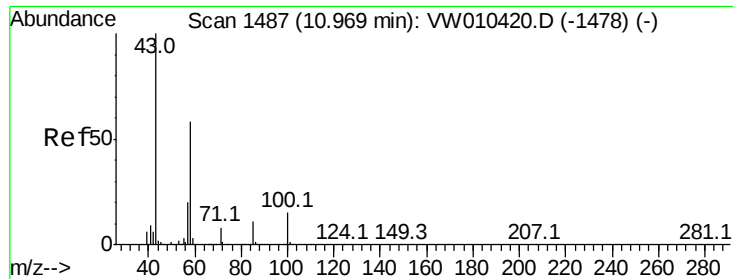
Tgt Ion: 63 Resp: 2597477

Ion Ratio Lower Upper

63 100

106 31.3 25.2 37.8





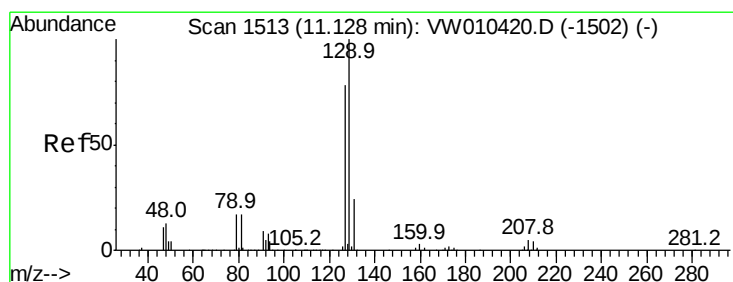
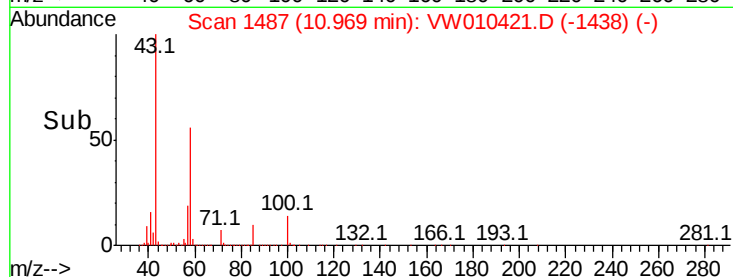
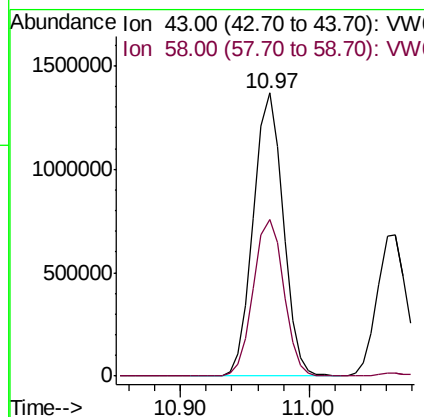
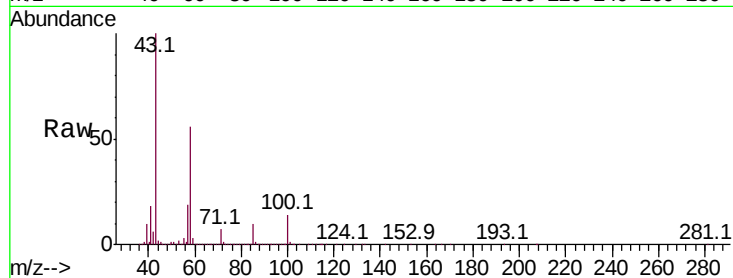
#59
2-Hexanone
Concen: 457.181 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2187334
Ion Ratio Lower Upper
43 100
58 56.5 28.5 85.6

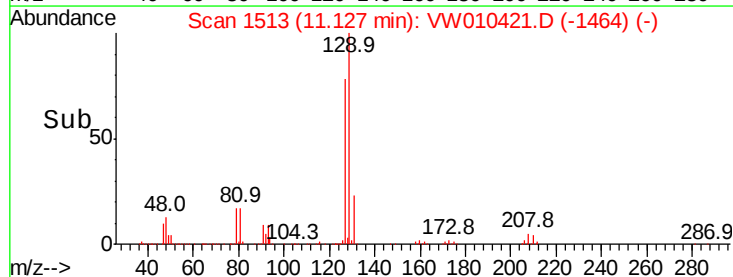
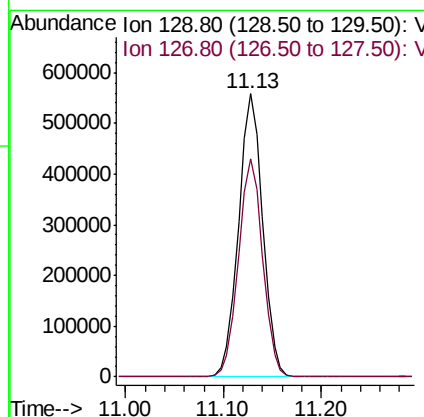
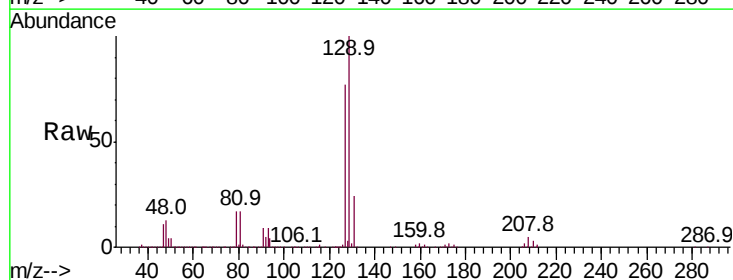
Manual Integrations
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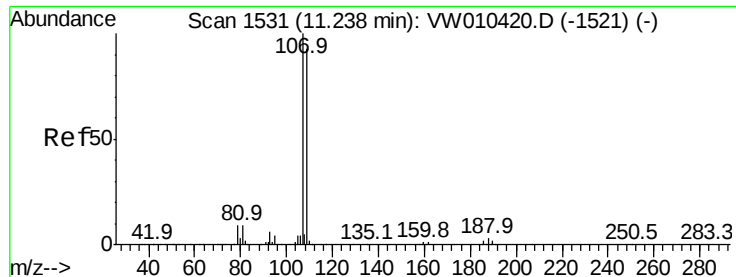
MMDadoda
5/20/2019 12:16:10 PM



#60
Dibromochloromethane
Concen: 99.096 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 129 Resp: 953977
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 97.535 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 758544

Ion Ratio Lower Upper

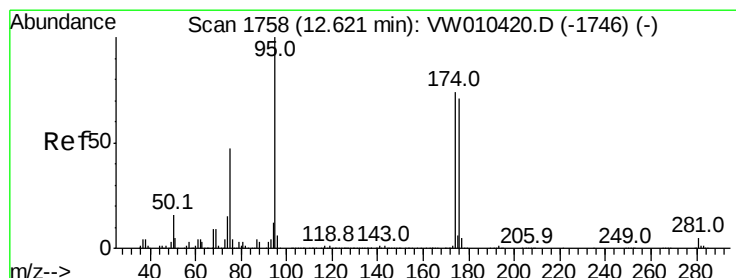
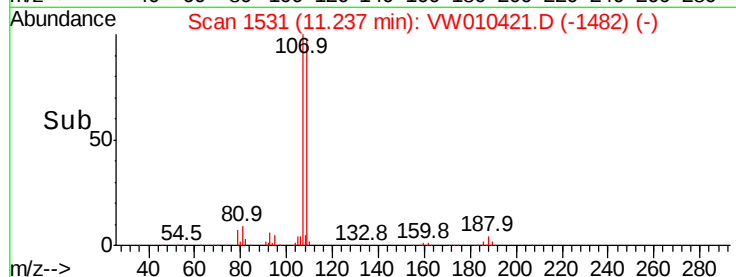
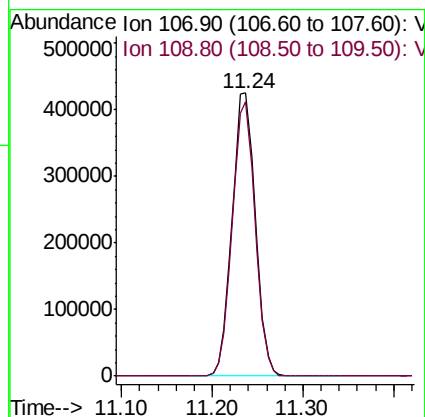
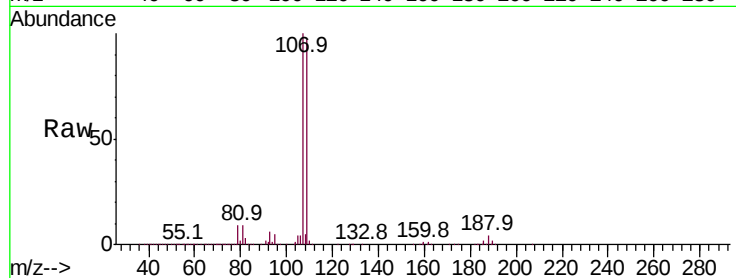
107 100

109 95.1 74.8 112.2

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 93.569 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

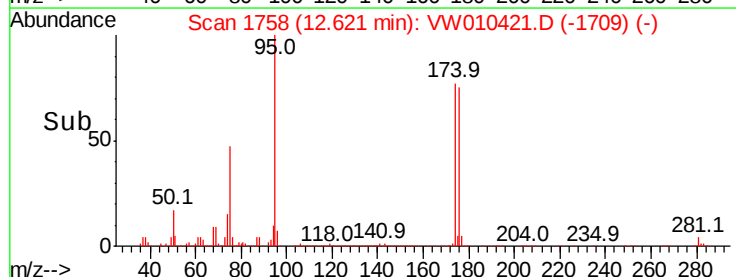
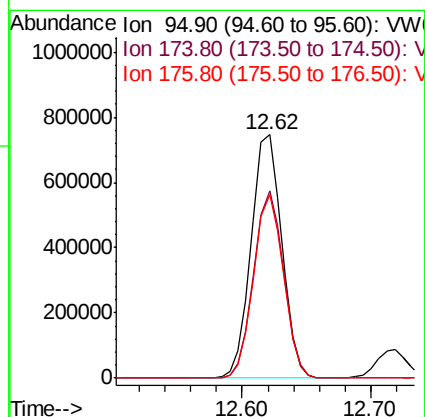
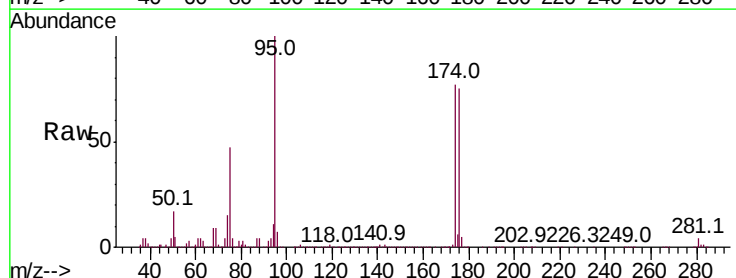
Tgt Ion: 95 Resp: 1223232

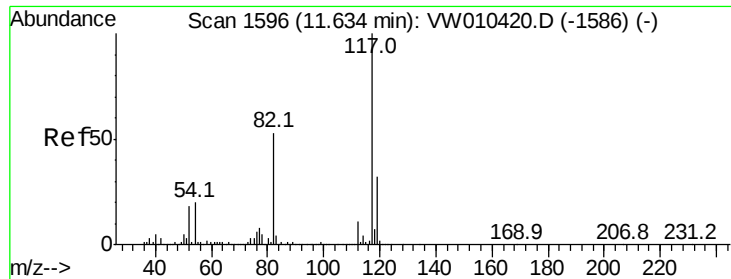
Ion Ratio Lower Upper

95 100

174 75.6 0.0 146.6

176 73.6 0.0 141.4





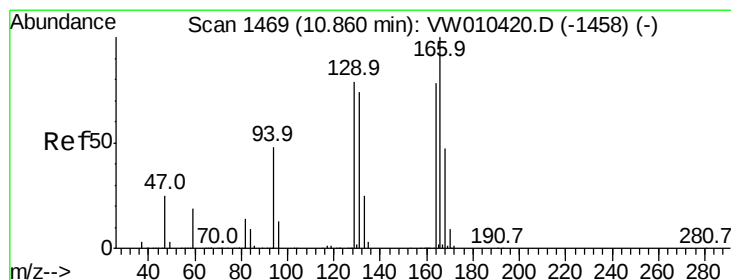
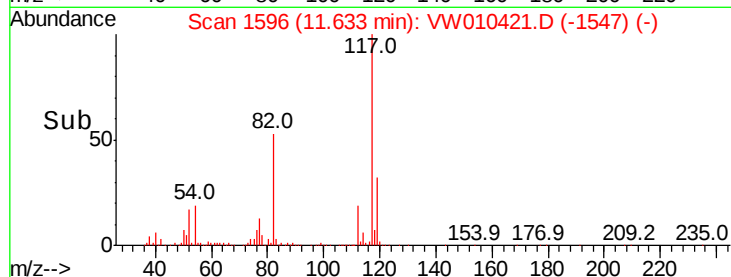
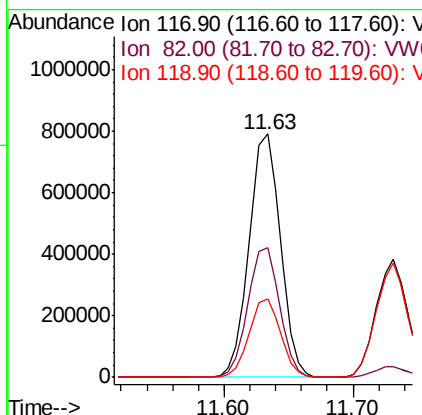
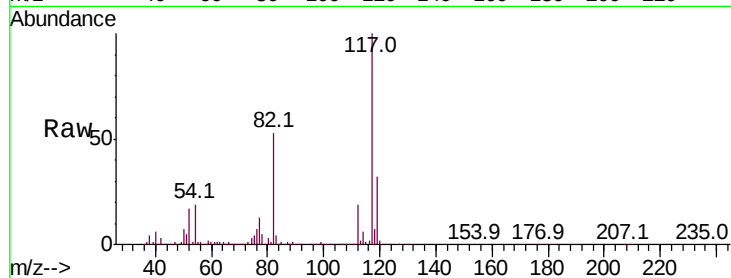
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.0	25.6	38.4

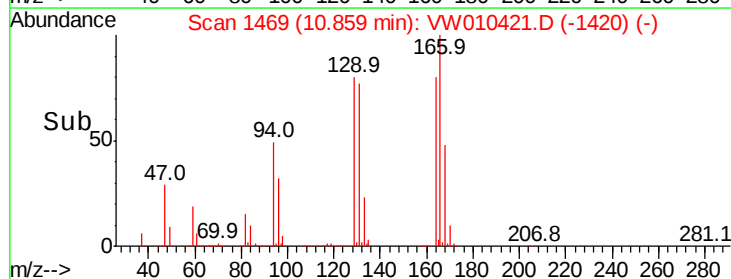
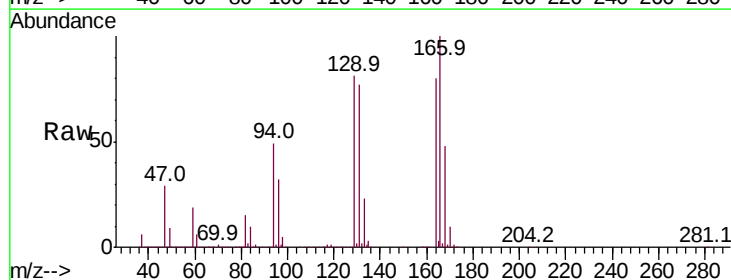
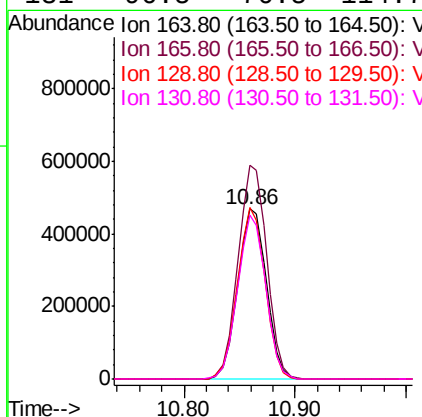
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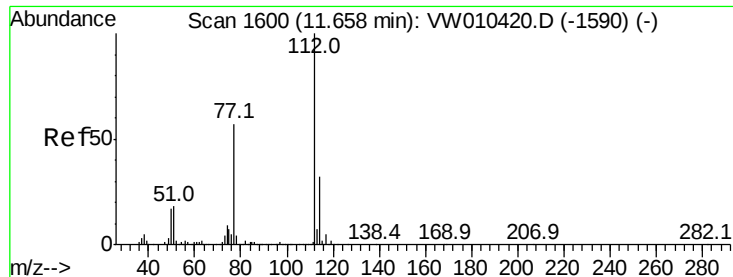
MMDadoda
5/20/2019 12:16:10 PM



#64
Tetrachloroethene
Concen: 94.767 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.2	154.8
129	101.0	81.6	122.4
131	96.5	76.5	114.7





#65

Chlorobenzene

Concen: 96.820 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 2549855

Ion Ratio Lower Upper

112 100

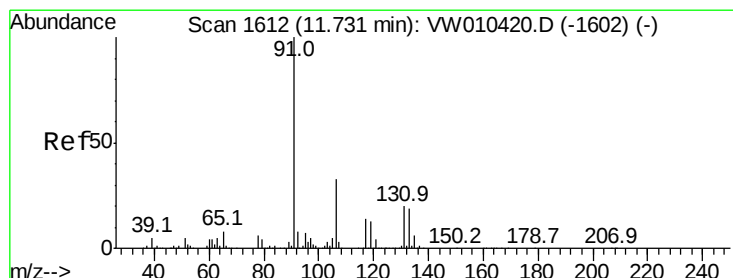
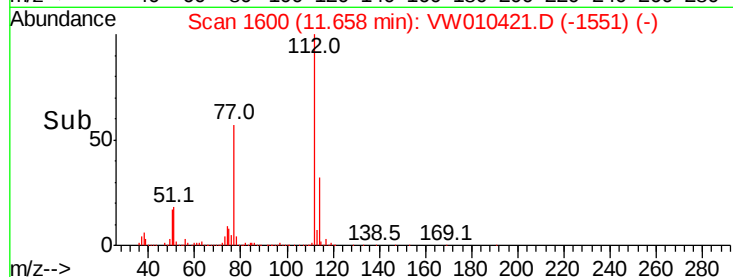
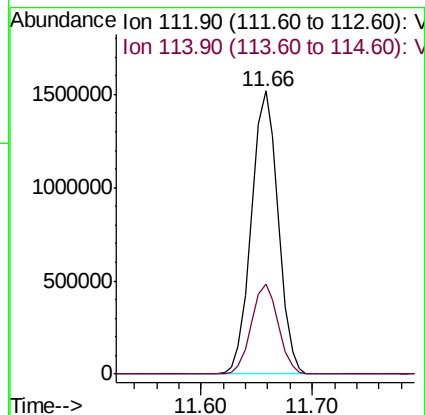
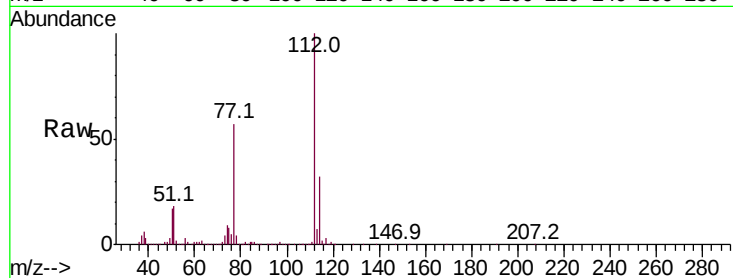
114 31.9 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 97.323 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

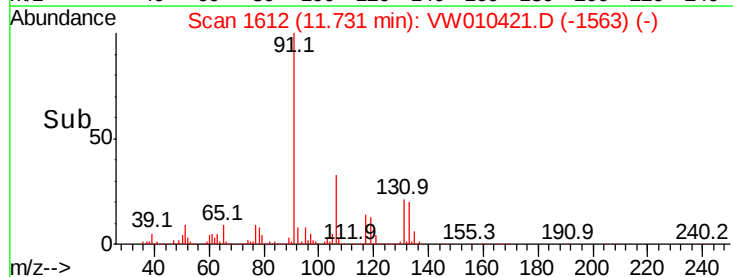
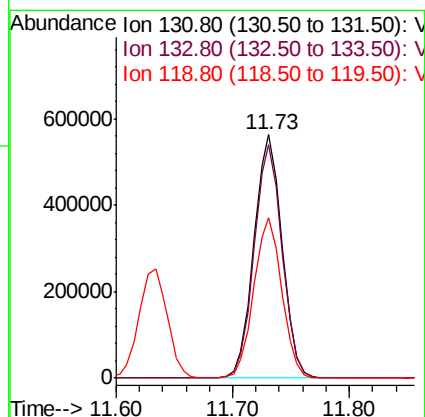
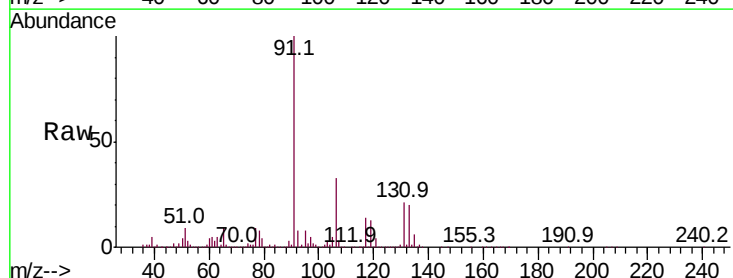
Tgt Ion:131 Resp: 949136

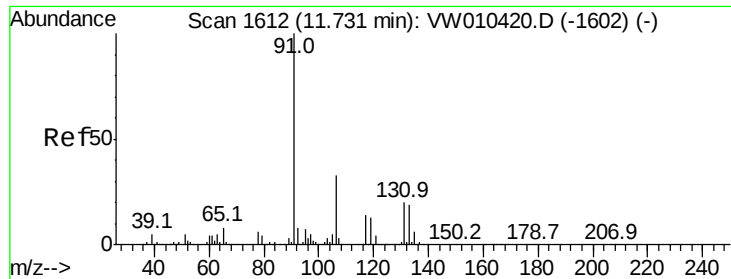
Ion Ratio Lower Upper

131 100

133 95.4 48.3 144.8

119 65.8 32.4 97.0





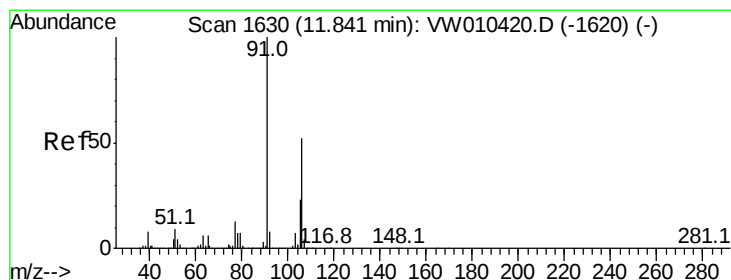
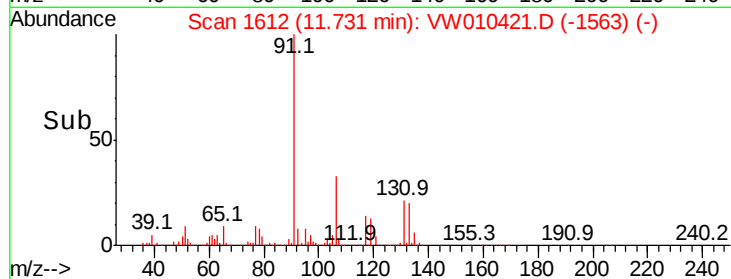
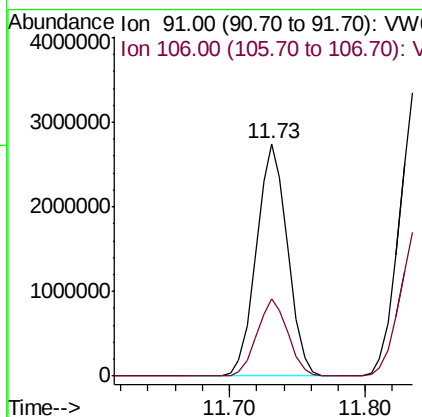
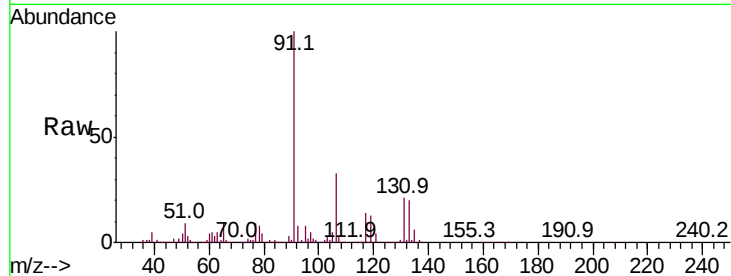
#67
Ethyl Benzene
Concen: 94.151 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4403516
Ion Ratio Lower Upper
91 100
106 33.0 26.5 39.7

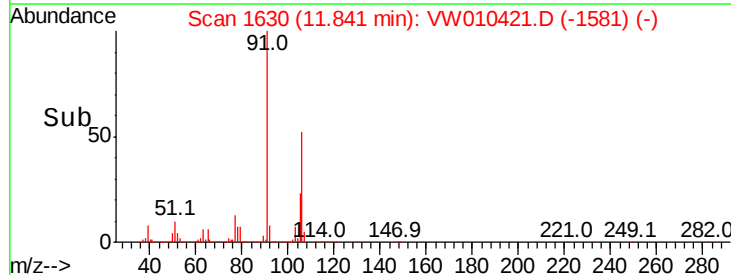
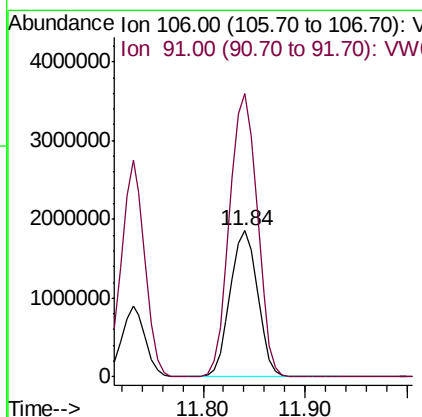
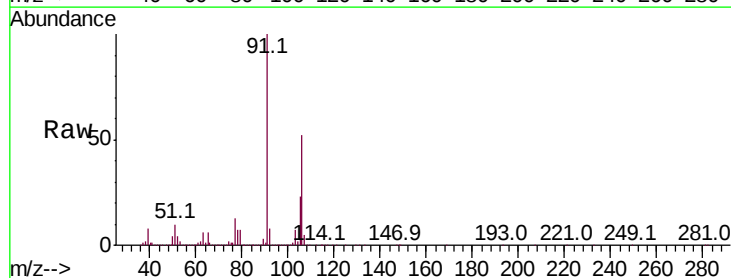
Manual Integrations
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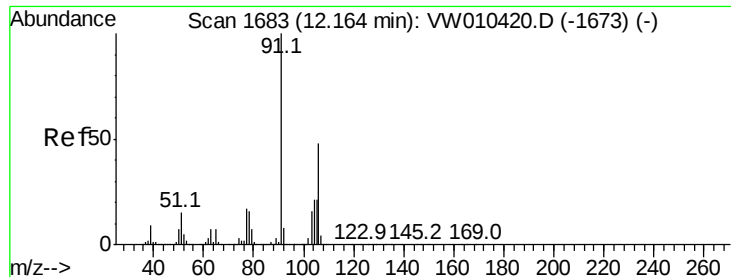
MMDadoda
5/20/2019 12:16:10 PM



#68
m/p-Xylenes
Concen: 189.131 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 106 Resp: 3461232
Ion Ratio Lower Upper
106 100
91 195.6 156.2 234.2





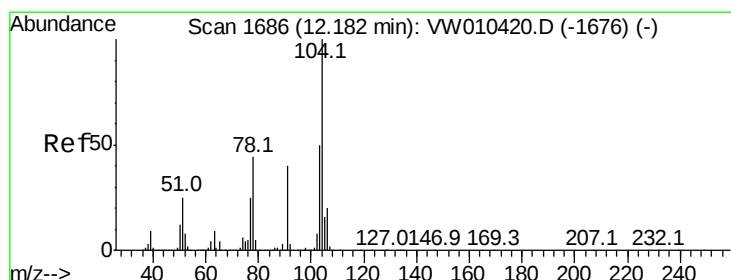
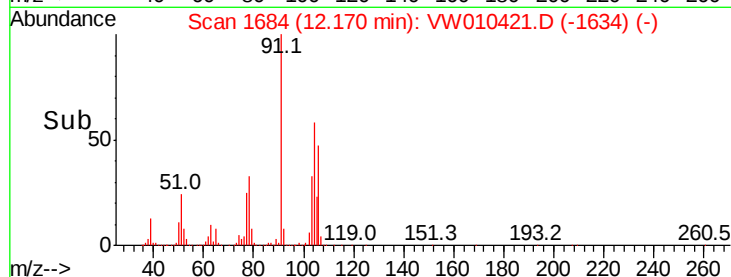
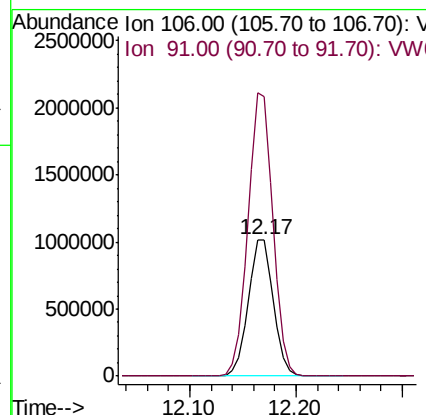
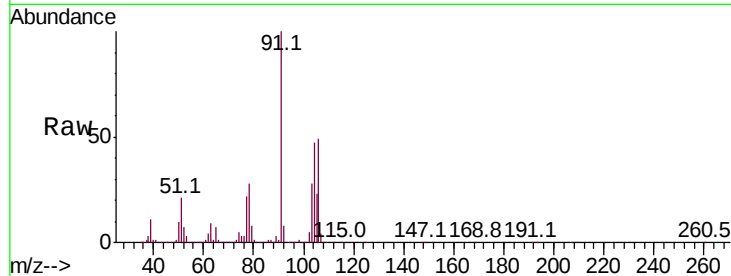
#69
o-Xylene
Concen: 95.103 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1677450
Ion Ratio Lower Upper
106 100
91 206.7 102.5 307.5

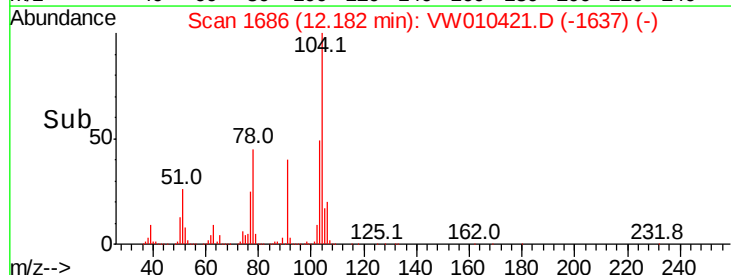
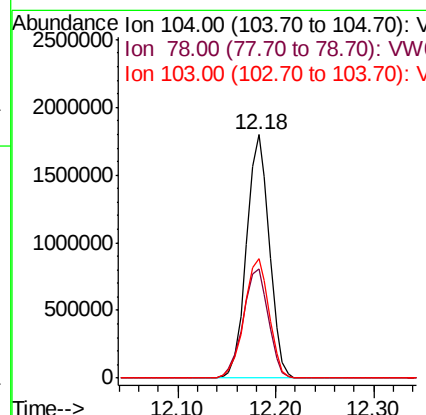
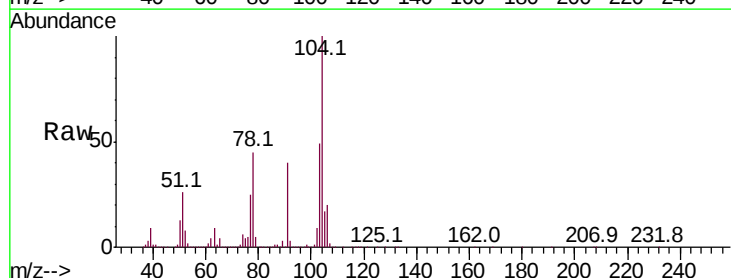
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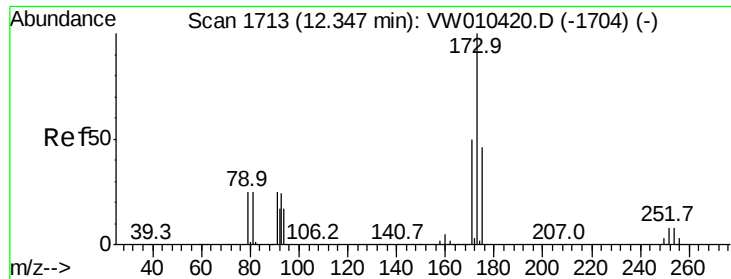
MMDadoda
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#70
Styrene
Concen: 94.488 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion:104 Resp: 2897087
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.0
103 53.5 43.4 65.0





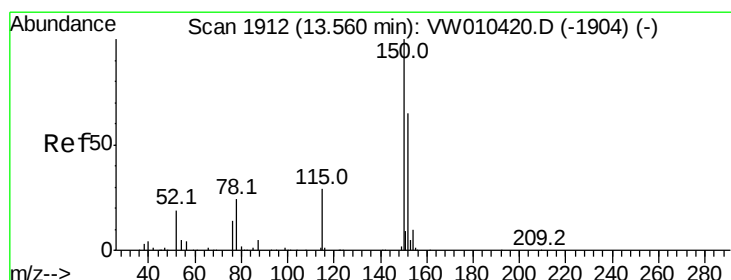
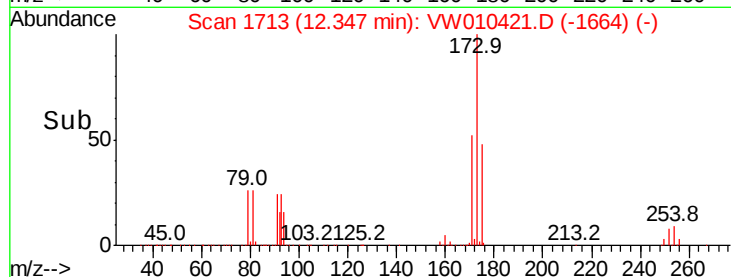
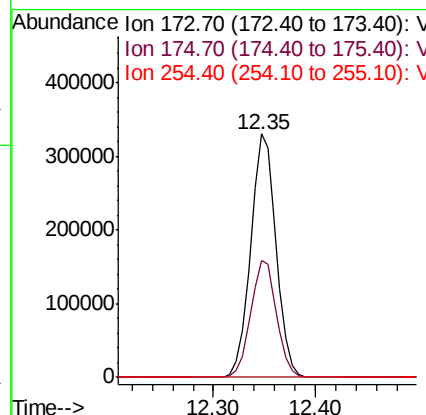
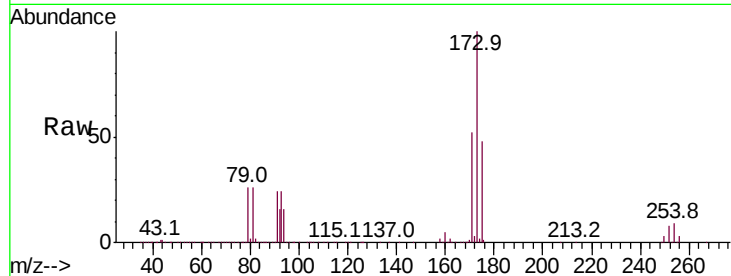
#71
Bromoform
Concen: 100.774 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.2
254	0.2	0.2	0.2

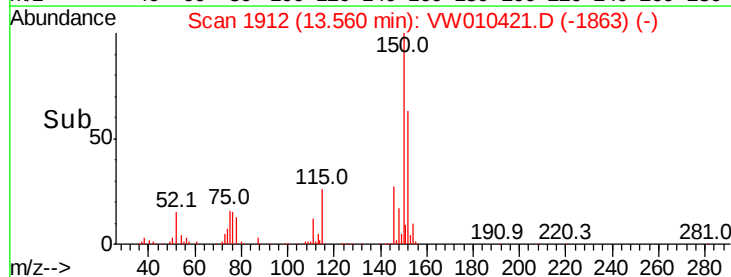
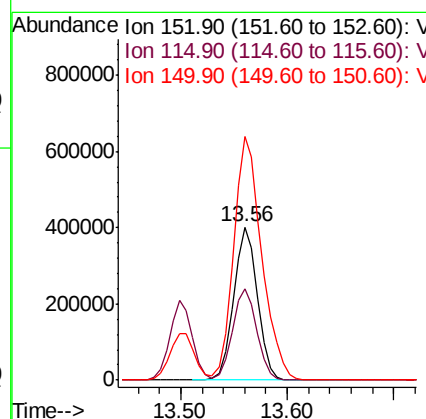
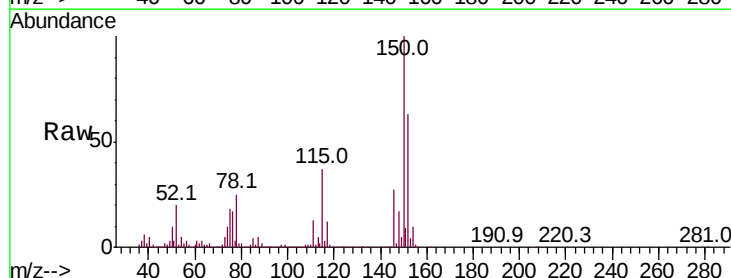
Manual Integrations
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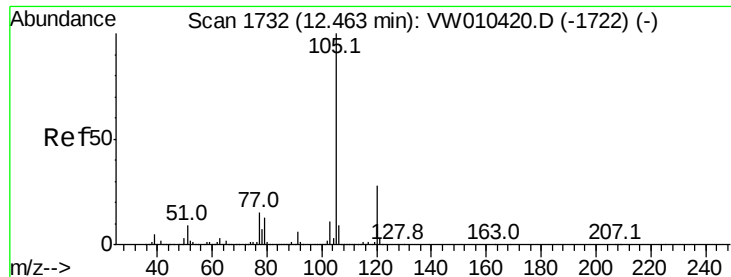
MMDadoda
5/20/2019 12:16:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.0	90.1
150	188.2	0.0	350.2





#73

Isopropylbenzene

Concen: 97.676 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 4446974

Ion Ratio Lower Upper

105 100

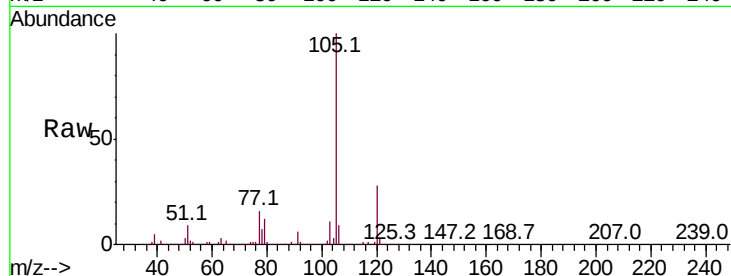
120 27.6 13.9 41.6

Manual Integrations

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MMDadoda

5/20/2019 12:16:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

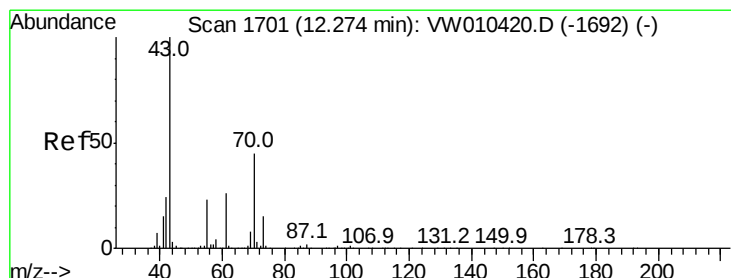
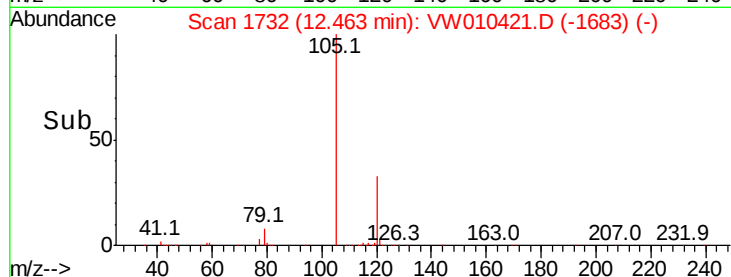
500000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 97.028 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion: 43 Resp: 1223076

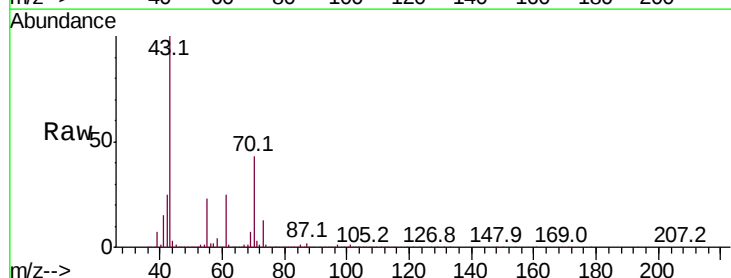
Ion Ratio Lower Upper

43 100

70 43.8 36.4 54.6

55 23.0 19.0 28.6

61 25.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

1200000

1000000

800000

600000

400000

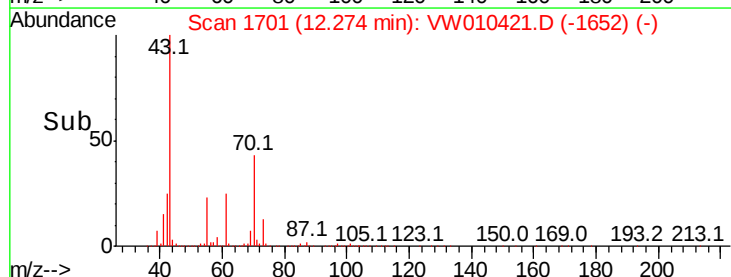
200000

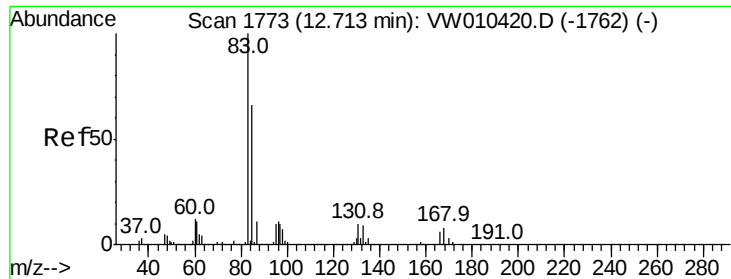
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 101.033 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

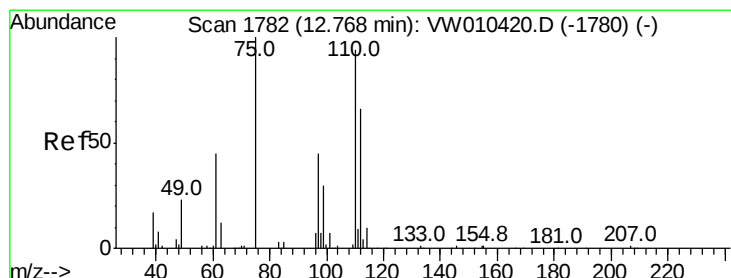
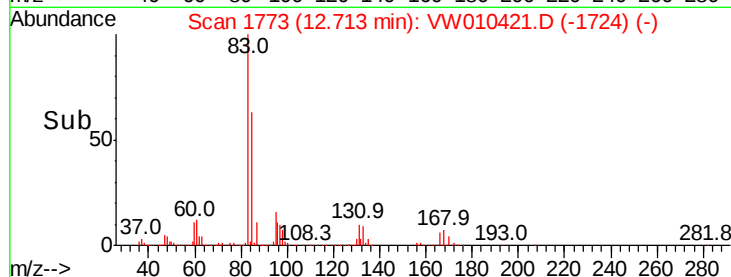
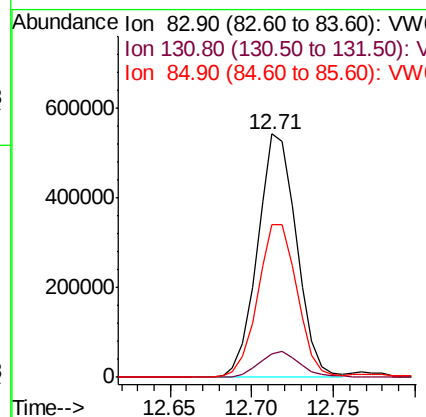
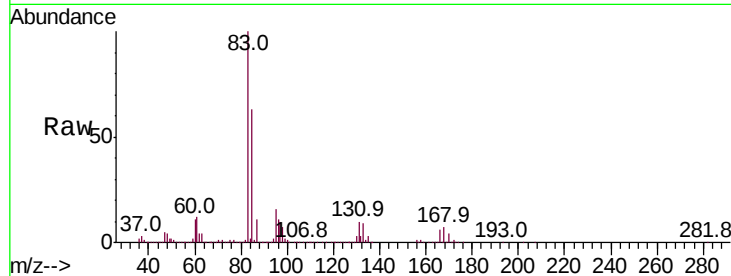
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	903992
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	63.8	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 91.727 ug/l m

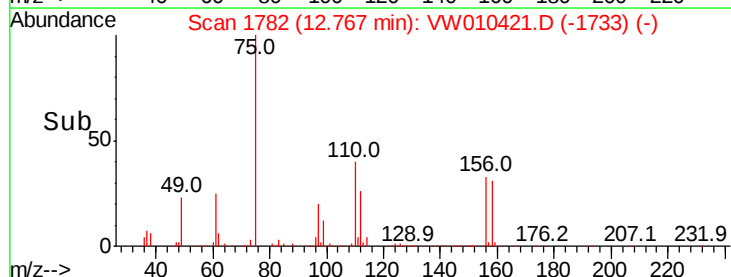
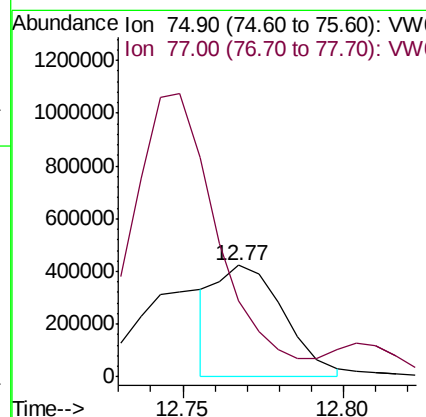
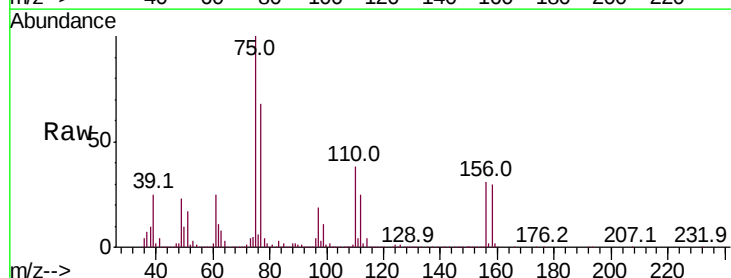
RT: 12.77 min Scan# 1782

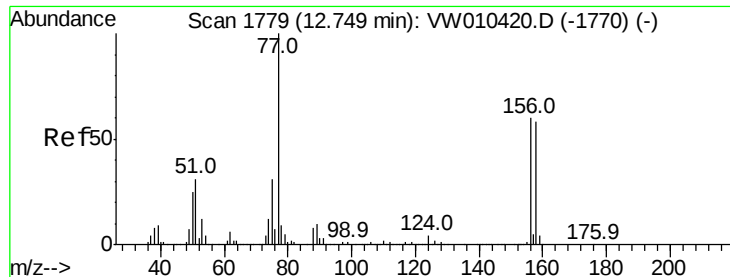
Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion:	75	Resp:	622867
Ion Ratio	Lower	Upper	
75	100		
77	319.1	0.0	0.0#





#77

Bromobenzene

Concen: 99.825 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion:156 Resp: 1048578

Ion Ratio Lower Upper

156 100

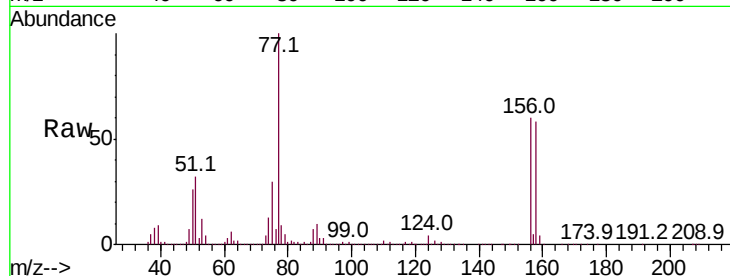
77 189.5 95.7 286.9

158 97.3 48.9 146.7

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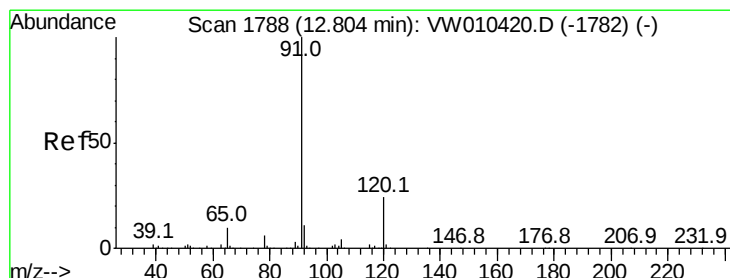
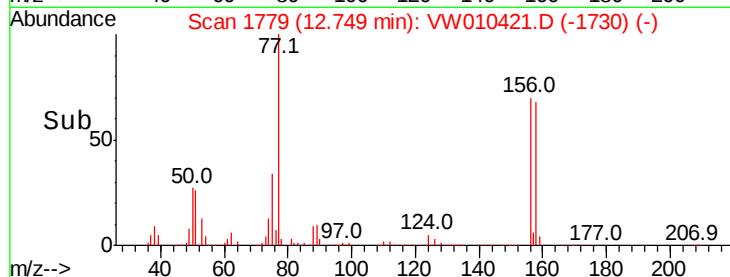
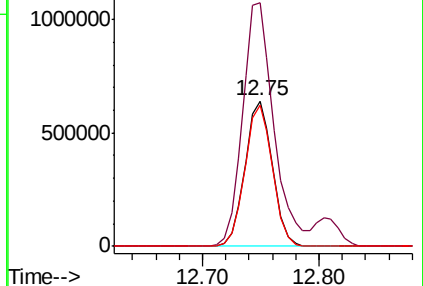
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 96.140 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010421.D

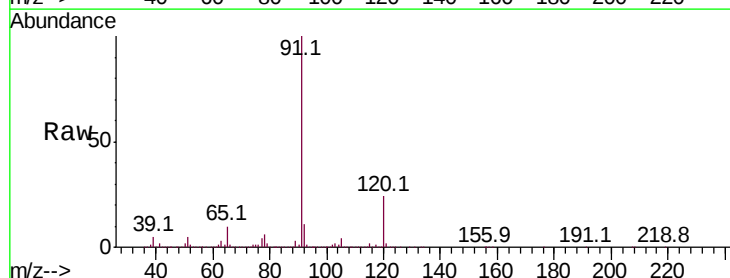
Acq: 17 May 2019 18:50

Tgt Ion: 91 Resp: 5118508

Ion Ratio Lower Upper

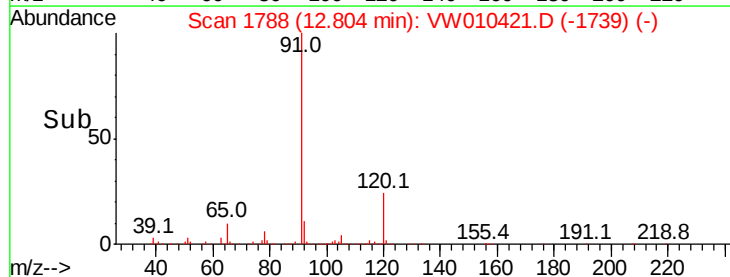
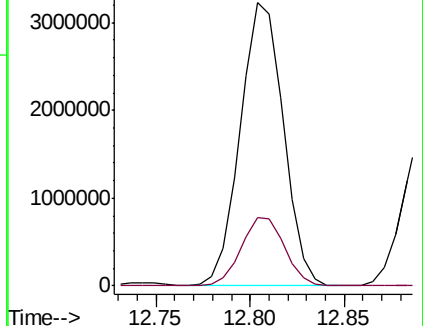
91 100

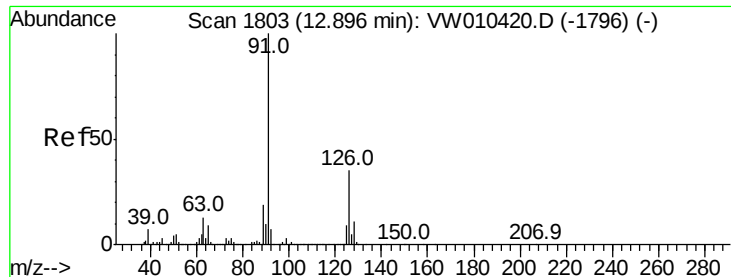
120 24.4 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 97.377 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3014498

Ion Ratio Lower Upper

91 100

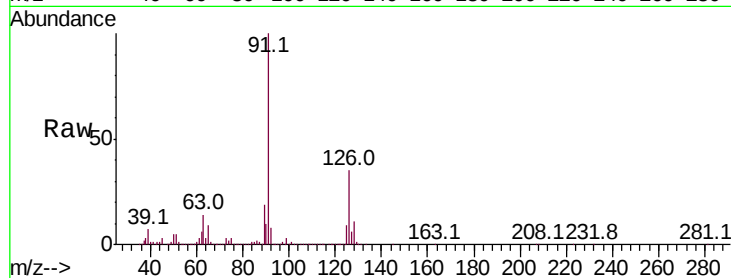
126 34.6 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

3000000

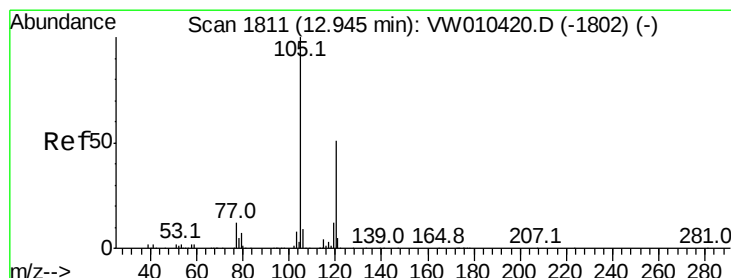
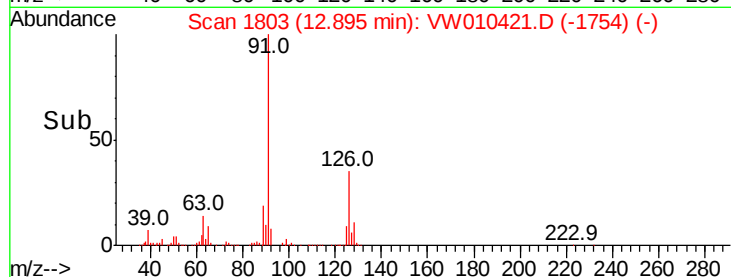
2000000

1000000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 96.157 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010421.D

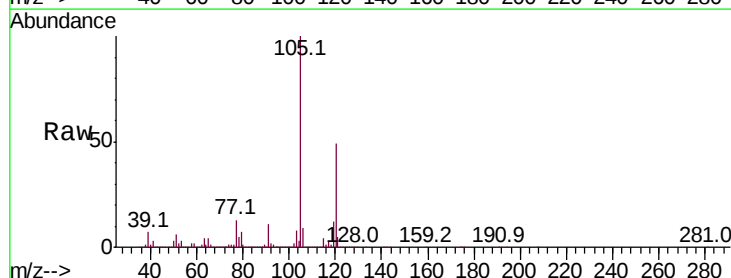
Acq: 17 May 2019 18:50

Tgt Ion:105 Resp: 3772594

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

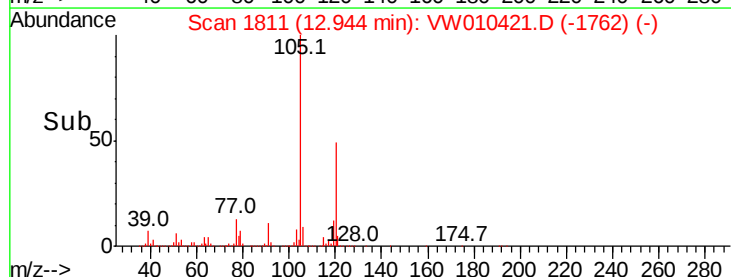
1000000

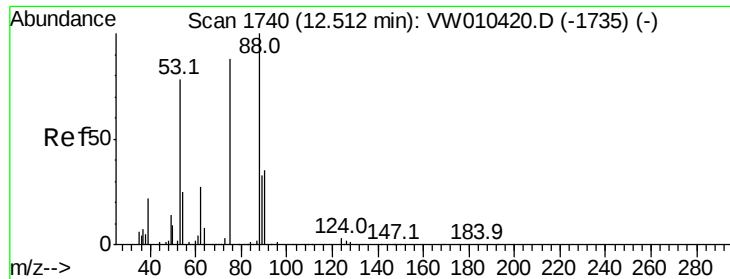
500000

0

12.90 13.00 13.10

Time-->





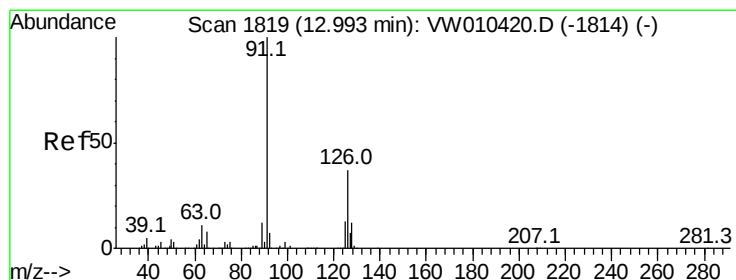
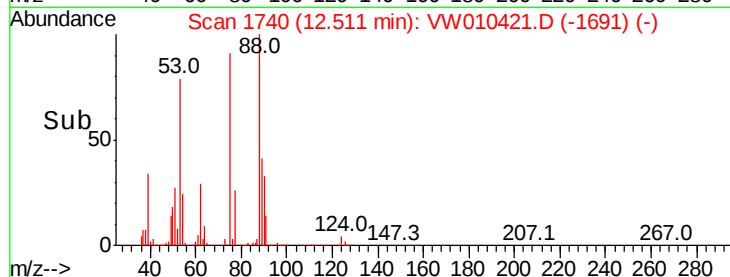
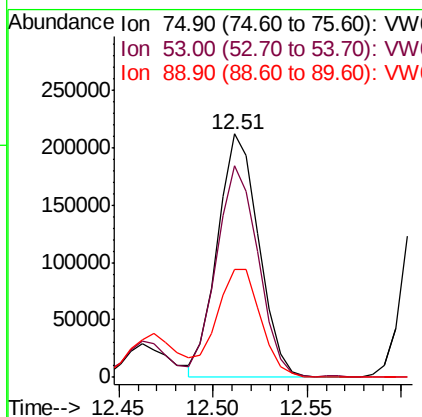
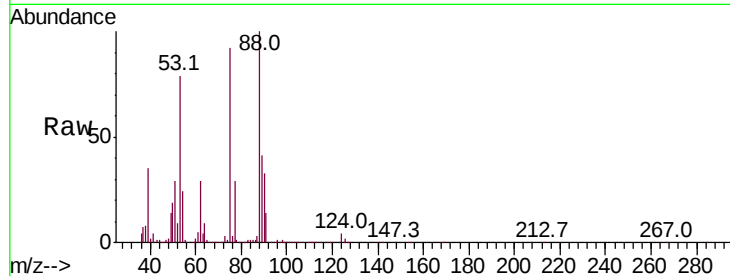
#81
trans-1,4-Dichloro-2-butene
Concen: 98.080 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 320348
Ion Ratio Lower Upper
75 100
53 87.5 70.7 106.1
89 48.0 38.6 58.0

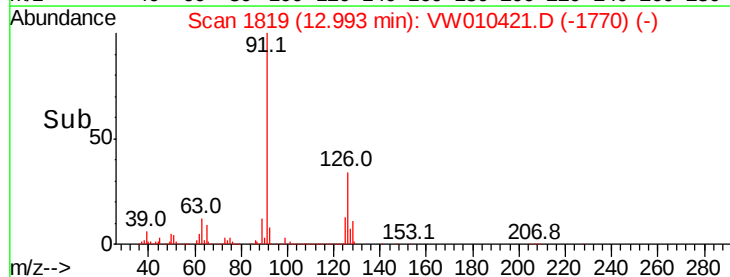
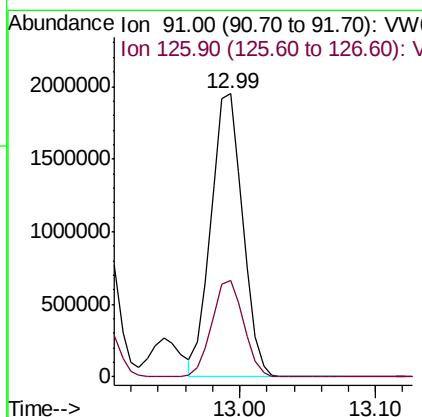
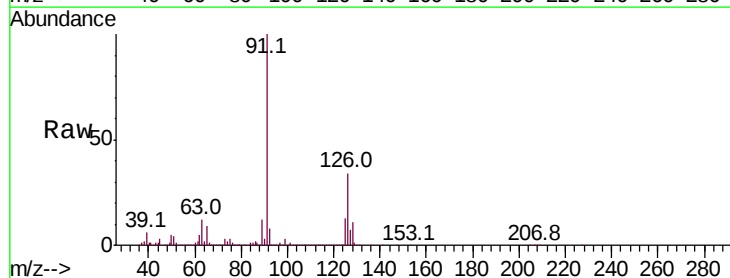
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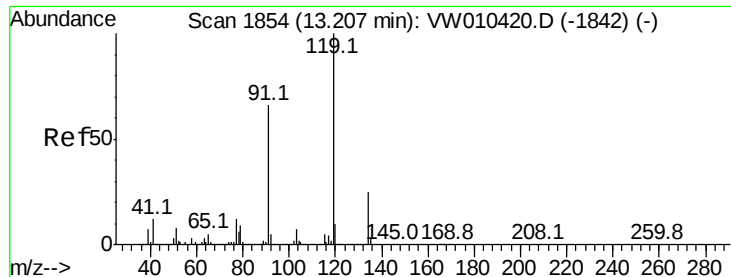
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#82
4-Chlorotoluene
Concen: 96.814 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 91 Resp: 3144747
Ion Ratio Lower Upper
91 100
126 34.3 17.4 52.2





#83

tert-Butylbenzene

Concen: 96.659 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010421.D

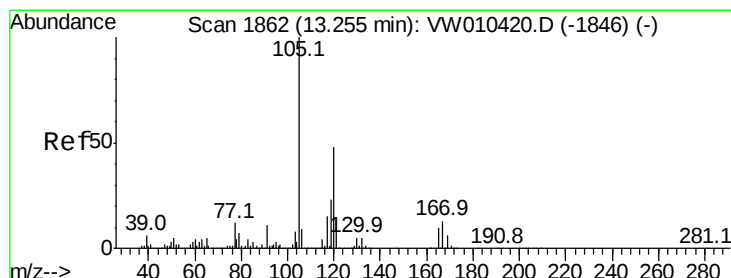
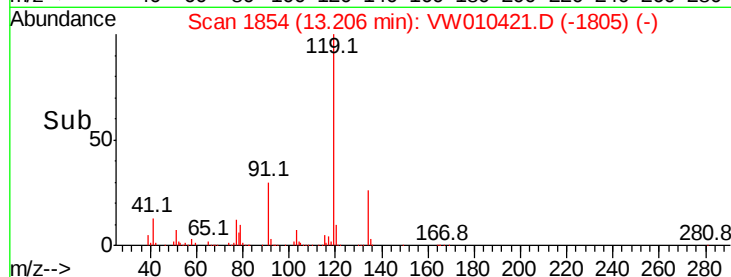
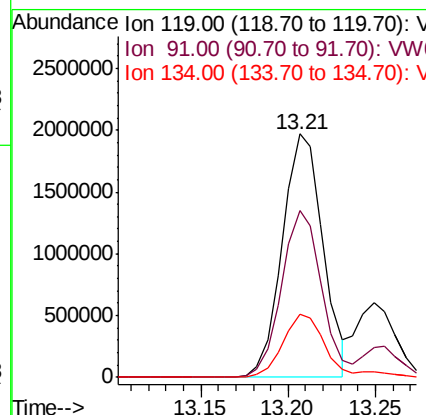
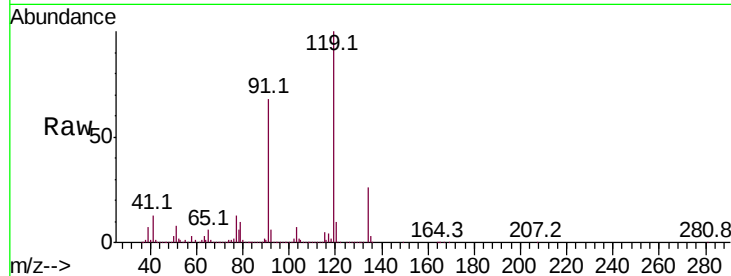
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.5	100.5
134	27.8	13.8	41.4

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#84

1,2,4-Trimethylbenzene

Concen: 95.685 ug/l

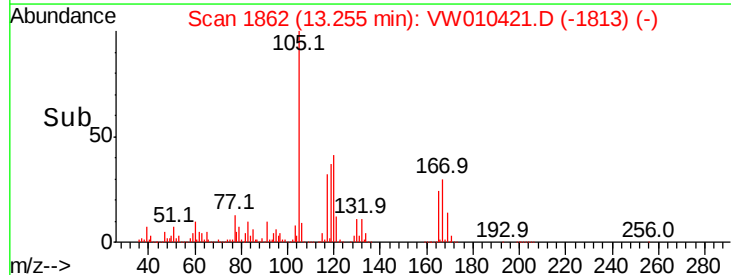
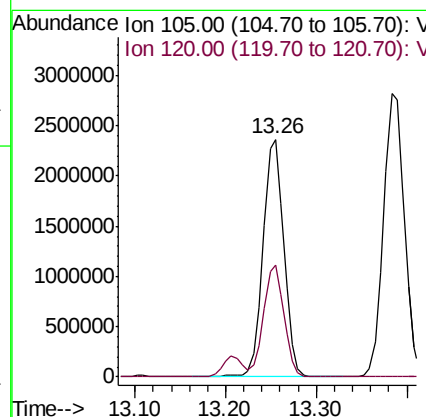
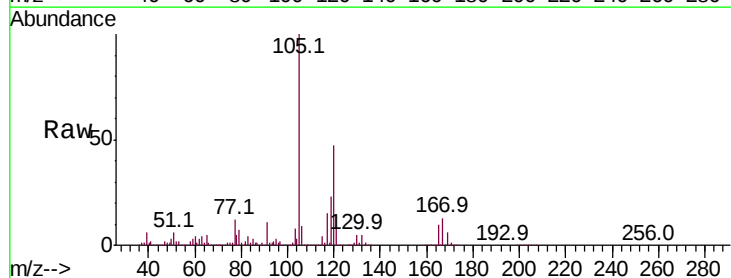
RT: 13.26 min Scan# 1862

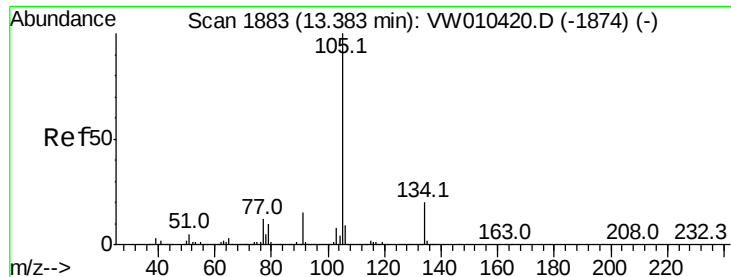
Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





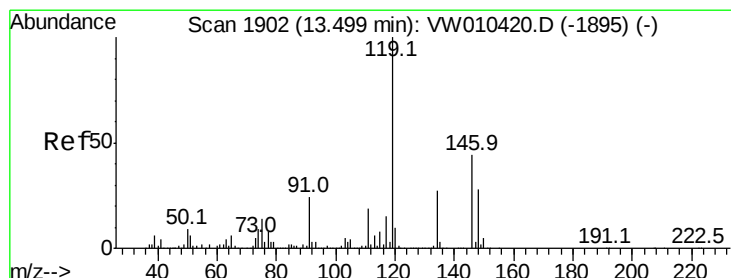
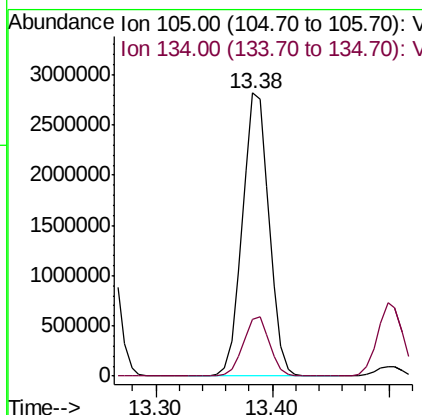
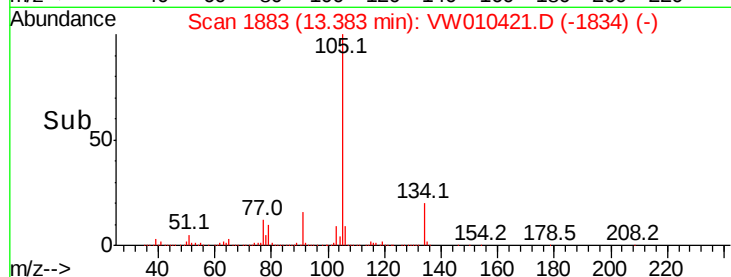
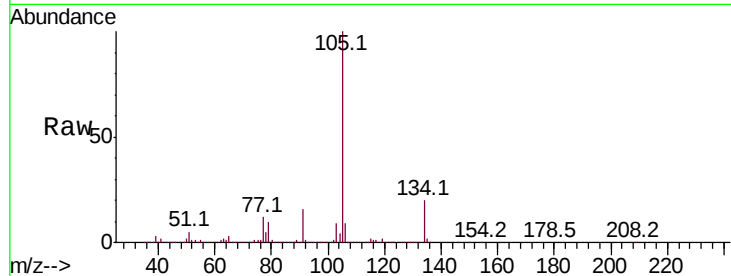
#85
 sec-Butylbenzene
 Concen: 95.815 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 4482776
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4

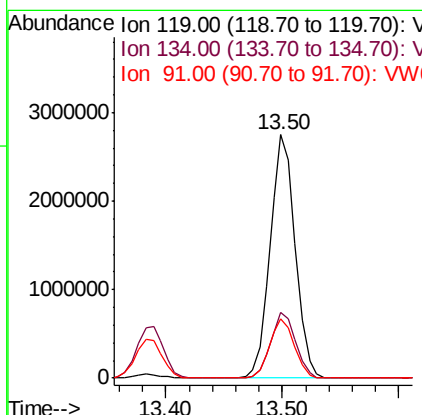
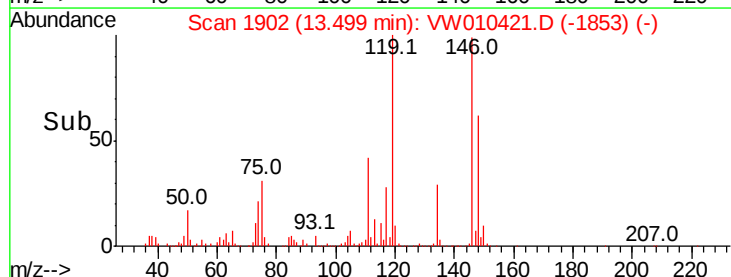
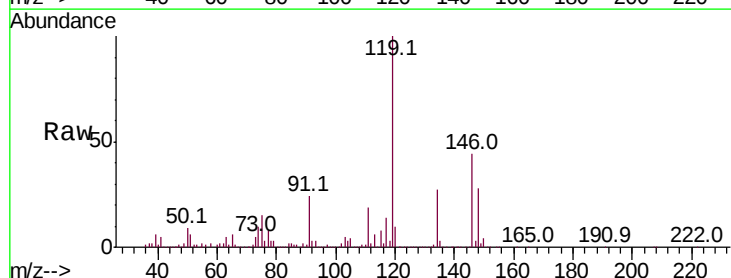
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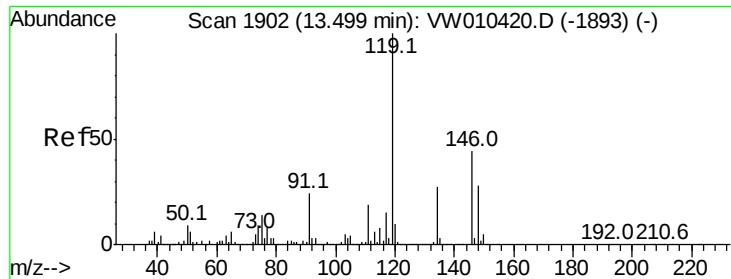
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#86
 p-Isopropyltoluene
 Concen: 95.921 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010421.D
 Acq: 17 May 2019 18:50

Tgt Ion:119 Resp: 4083364
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.7 41.0
 91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 95.850 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010421.D

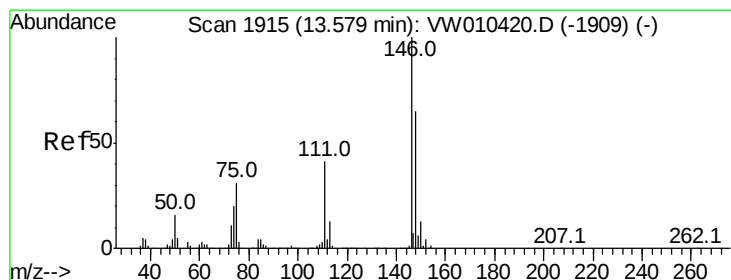
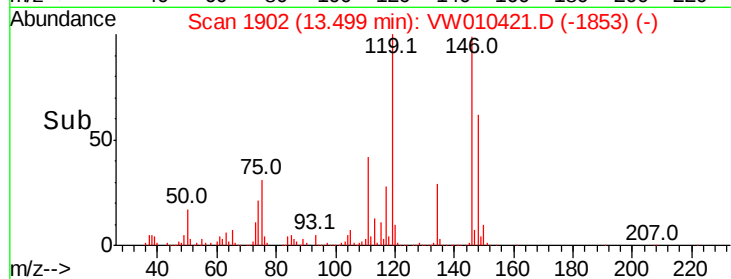
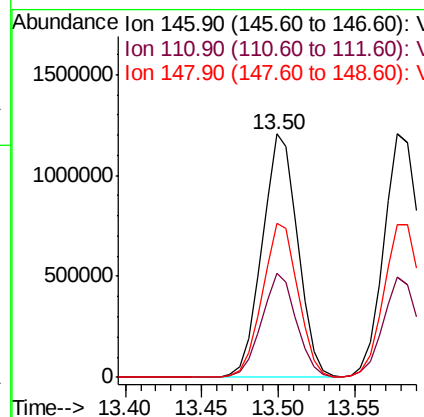
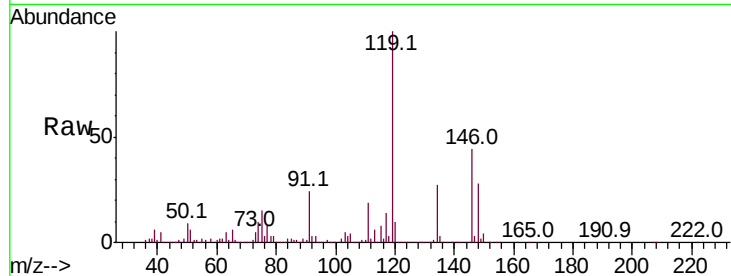
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	63.4	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 96.166 ug/l

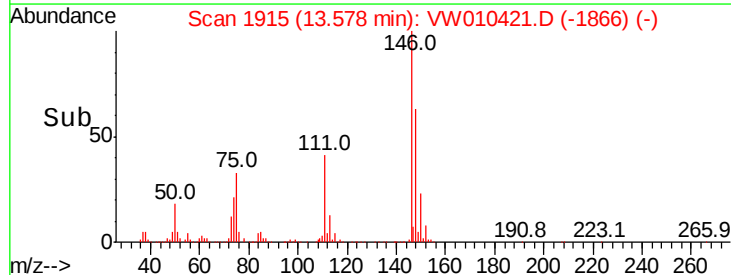
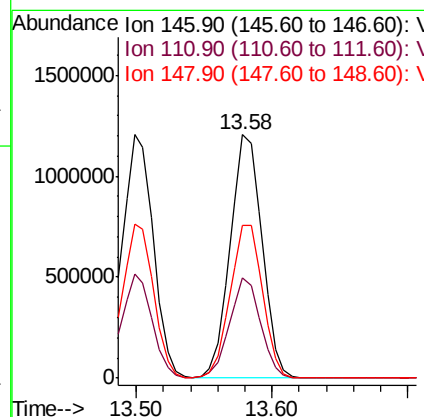
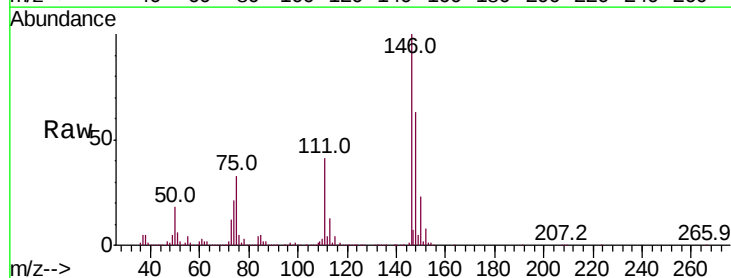
RT: 13.58 min Scan# 1915

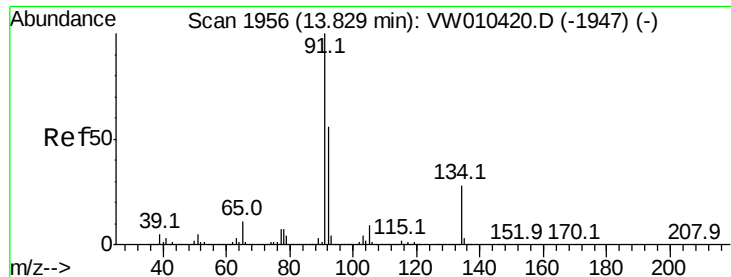
Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	64.1	32.3	96.9





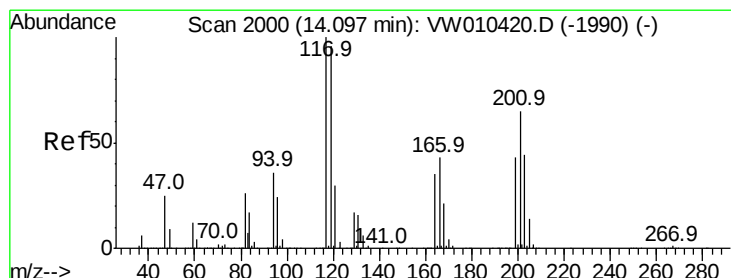
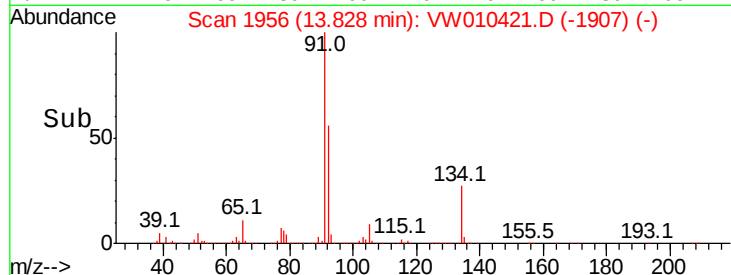
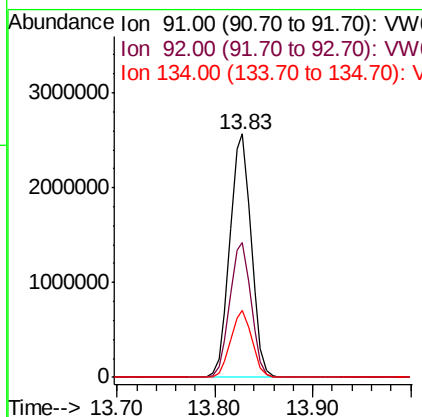
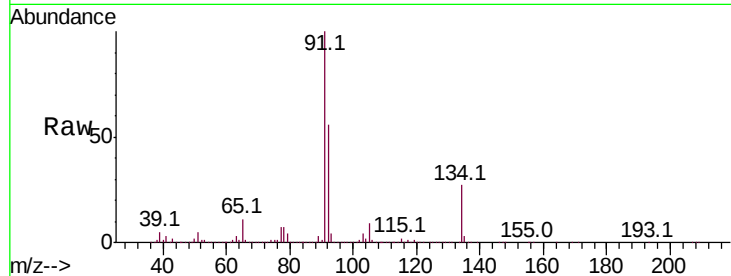
#89
n-Butylbenzene
Concen: 95.417 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3876827
Ion Ratio Lower Upper
91 100
92 55.6 27.7 83.0
134 27.2 13.8 41.3

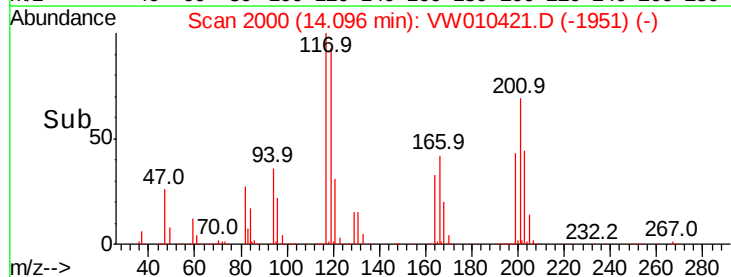
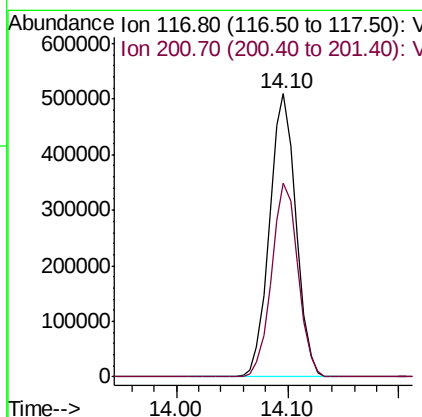
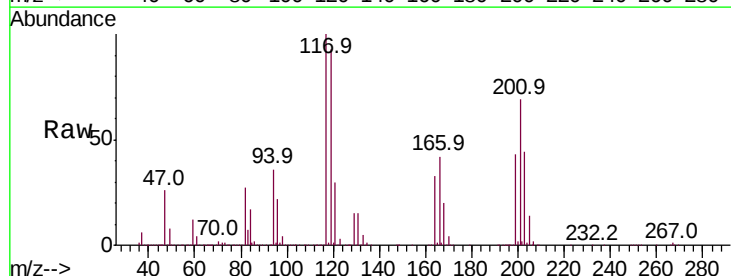
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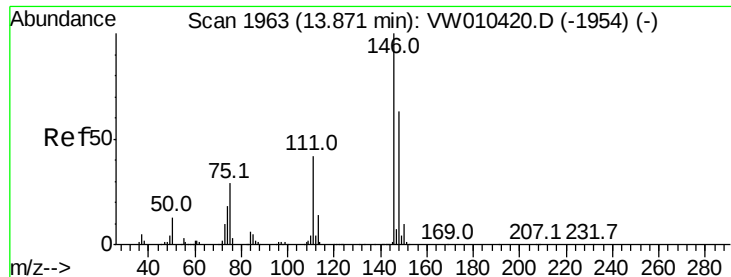
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#90
Hexachloroethane
Concen: 99.975 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion: 117 Resp: 842595
Ion Ratio Lower Upper
117 100
201 68.2 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 95.714 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1794790

Ion Ratio Lower Upper

146 100

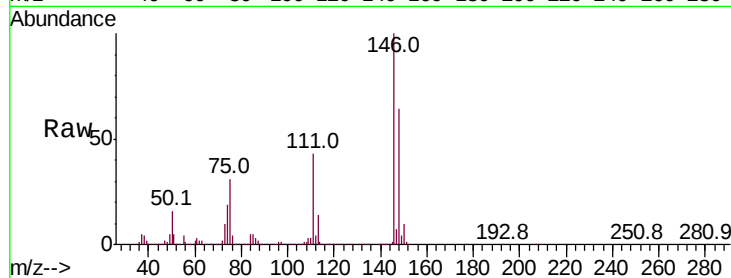
111 42.6 21.3 63.7

148 64.2 31.6 95.0

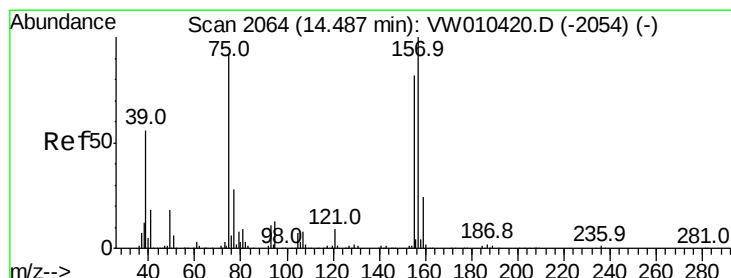
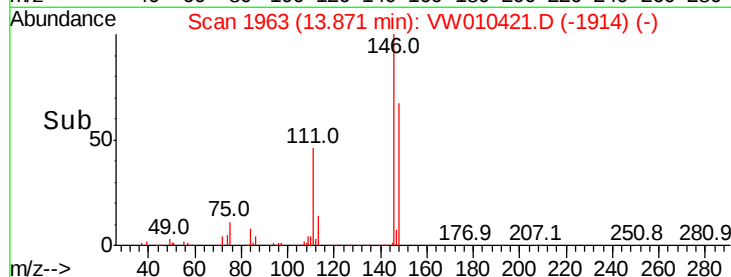
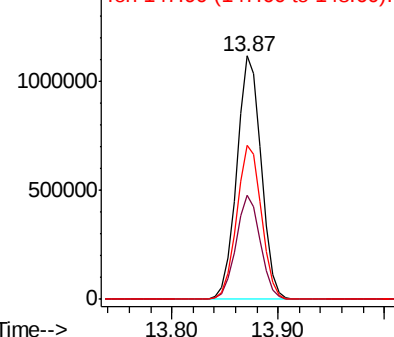
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 95.685 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

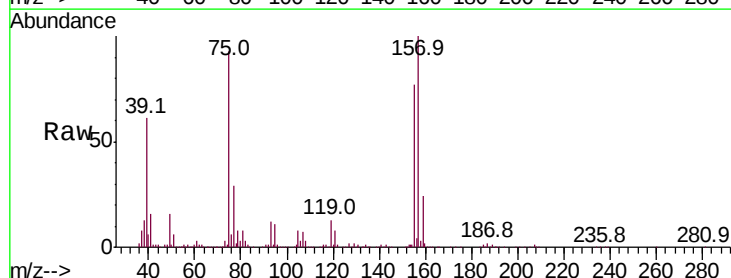
Tgt Ion: 75 Resp: 159159

Ion Ratio Lower Upper

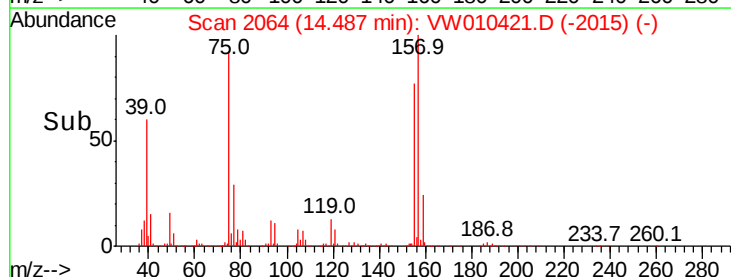
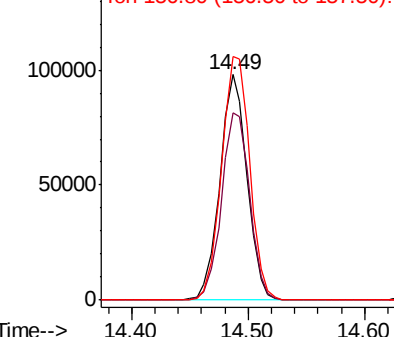
75 100

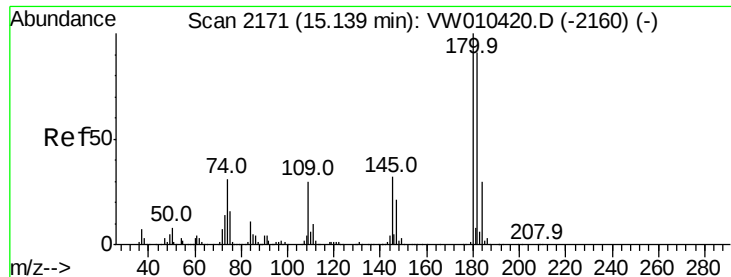
155 86.1 43.5 130.7

157 112.0 54.8 164.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 90.088 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:180 Resp: 1161241

Ion Ratio Lower Upper

180 100

182 94.4 47.0 141.2

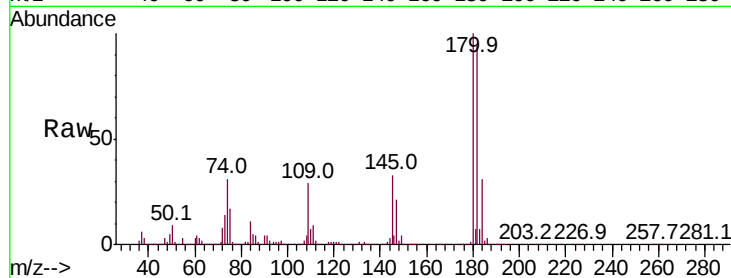
145 33.2 16.6 49.7

Manual Integrations

APPROVED

MMDadoda

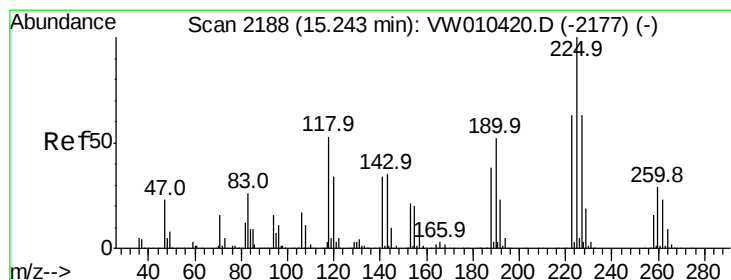
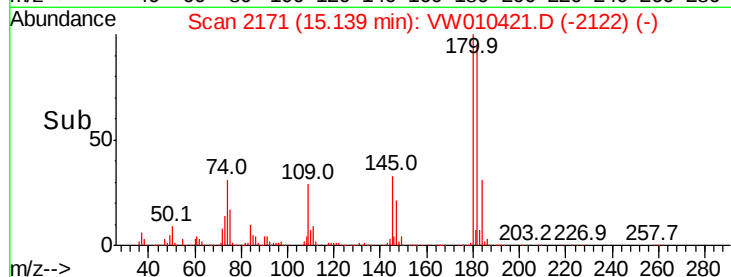
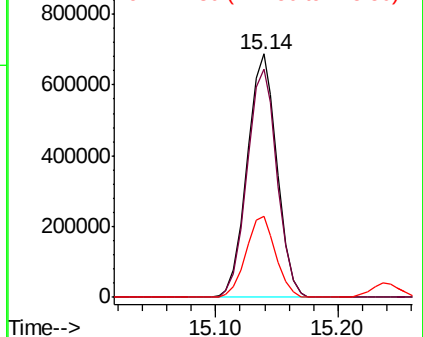
5/20/2019 12:16:10 PM



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 93.053 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010421.D

Acq: 17 May 2019 18:50

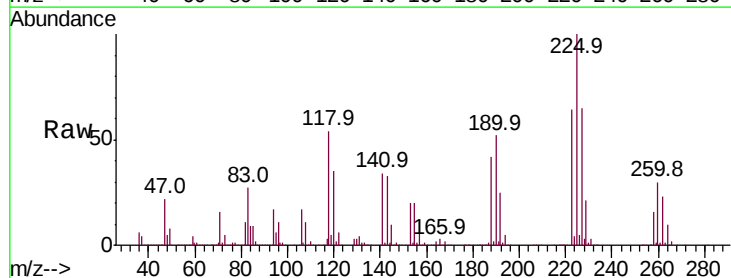
Tgt Ion:225 Resp: 612737

Ion Ratio Lower Upper

225 100

223 63.9 32.0 96.2

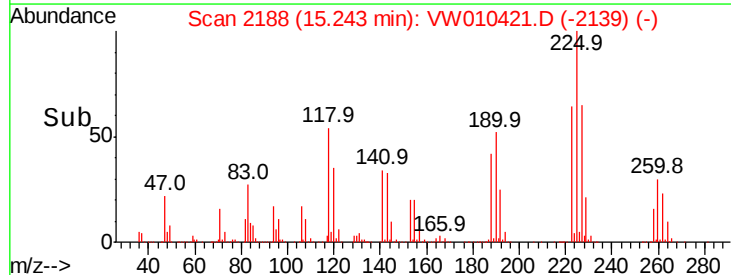
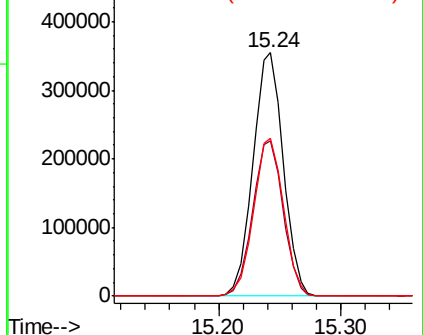
227 64.2 31.4 94.0

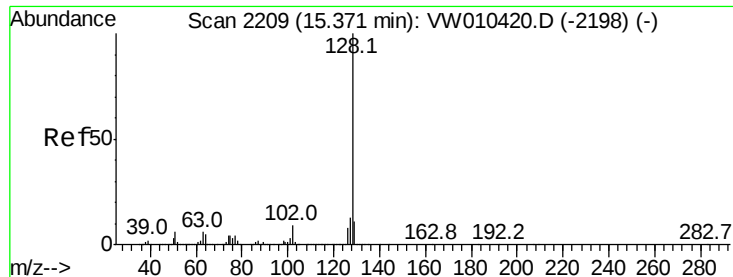


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





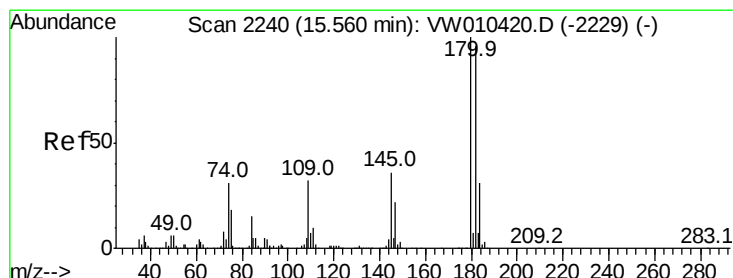
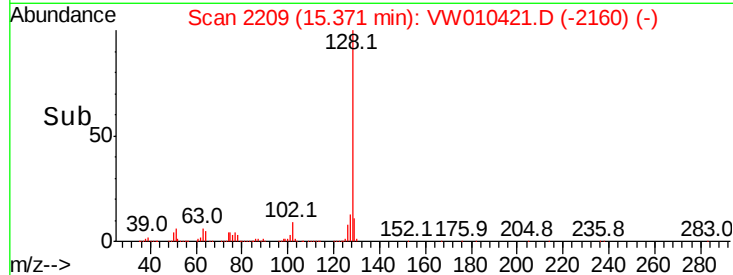
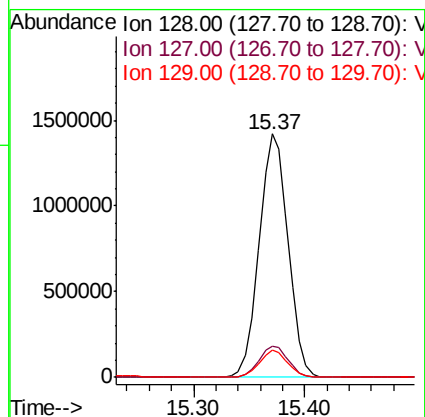
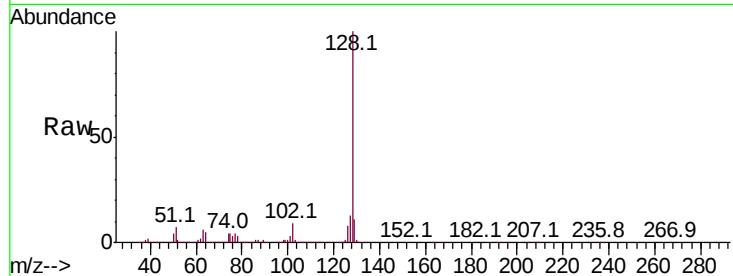
#95
Naphthalene
Concen: 89.389 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:16:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 89.433 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010421.D
Acq: 17 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.9
145	35.2	17.8	53.5

