

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012962.D
 Acq On : 13 Sep 2019 19:40
 Operator : SY/VA
 Sample : VW0914SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:49 AM

Quant Time: Sep 14 04:46:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	428131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	186721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140172	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.88	113	117254	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	469861	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	162280	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27383	22.285	ug/l	96
3) Chloromethane	2.21	50	35700	23.069	ug/l	100
4) Vinyl Chloride	2.36	62	46874	22.672	ug/l	97
5) Bromomethane	2.76	94	26582	21.053	ug/l	93
6) Chloroethane	2.91	64	27414	21.619	ug/l	96
7) Trichlorofluoromethane	3.25	101	28281	19.561	ug/l	98
8) Diethyl Ether	3.68	74	24343	21.563	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43456	19.817	ug/l	99
10) Methyl Iodide	4.27	142	57679	21.018	ug/l	99
11) Tert butyl alcohol	5.19	59	22707m	114.479	ug/l	
12) 1,1-Dichloroethene	4.04	96	42240	21.185	ug/l	95
13) Acrolein	3.89	56	20903	102.141	ug/l	93
14) Allyl chloride	4.66	41	82303	21.744	ug/l	98
15) Acrylonitrile	5.36	53	61920	107.389	ug/l	99
16) Acetone	4.13	43	58487	88.399	ug/l	96
17) Carbon Disulfide	4.37	76	89254	22.463	ug/l	100
18) Methyl Acetate	4.67	43	35464	23.333	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	84886	21.568	ug/l	94
20) Methylene Chloride	4.92	84	50284	20.244	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46578	21.812	ug/l	94
22) Diisopropyl ether	6.31	45	166970	21.234	ug/l	100
23) Vinyl Acetate	6.25	43	497492	105.631	ug/l	100
24) 1,1-Dichloroethane	6.21	63	92753	20.458	ug/l	98
25) 2-Butanone	7.17	43	87656	103.333	ug/l	95
26) 2,2-Dichloropropane	7.16	77	62199	18.922	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	54322	21.248	ug/l	98
28) Bromochloromethane	7.51	49	37218	19.504	ug/l	99
29) Tetrahydrofuran	7.52	42	54267	112.275	ug/l	99
30) Chloroform	7.68	83	95725	20.780	ug/l	95
31) Cyclohexane	7.95	56	78535	20.574	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	77571	20.447	ug/l	98
36) 1,1-Dichloropropene	8.08	75	68931	20.149	ug/l	99
37) Ethyl Acetate	7.25	43	38394	21.143	ug/l	98
38) Carbon Tetrachloride	8.07	117	70024	19.973	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76695	20.458	ug/l	99
40) Benzene	8.32	78	198926	20.829	ug/l	97
41) Methacrylonitrile	7.48	41	23519	19.667	ug/l	96
42) 1,2-Dichloroethane	8.40	62	66617	20.808	ug/l	98
43) Isopropyl Acetate	8.42	43	75007	21.513	ug/l	98
44) Trichloroethene	9.09	130	52474	20.059	ug/l	96
45) 1,2-Dichloropropane	9.37	63	51384	20.250	ug/l	96
46) Dibromomethane	9.46	93	25338	20.842	ug/l	99
47) Bromodichloromethane	9.64	83	69310	20.325	ug/l	97
48) Methyl methacrylate	9.43	41	34243	20.927	ug/l	97
49) 1,4-Dioxane	9.46	88	9160	449.669	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	190075	105.594	ug/l	100
52) Toluene	10.38	92	123127	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69021	20.126	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79707	20.313	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38187	20.619	ug/l	98
56) Ethyl methacrylate	10.65	69	50974	20.448	ug/l	97
57) 1,3-Dichloropropane	10.93	76	67903	20.669	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	131359	98.233	ug/l	99
59) 2-Hexanone	10.97	43	129552	103.361	ug/l	98
60) Dibromochloromethane	11.12	129	44798	20.008	ug/l	97
61) 1,2-Dibromoethane	11.24	107	34996	20.714	ug/l	99
64) Tetrachloroethene	10.86	164	44430	20.206	ug/l	96
65) Chlorobenzene	11.66	112	131581	19.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49612	19.664	ug/l	99
67) Ethyl Benzene	11.73	91	250790	20.626	ug/l	99
68) m/p-Xylenes	11.84	106	180770	40.697	ug/l	98
69) o-Xylene	12.16	106	86894	20.866	ug/l	97
70) Styrene	12.18	104	150913	20.372	ug/l	100
71) Bromoform	12.35	173	27019	20.388	ug/l	100
73) Isopropylbenzene	12.46	105	245643	19.848	ug/l	98
74) N-amyl acetate	12.27	43	64868	20.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	46035	21.178	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35915m	21.959	ug/l	
77) Bromobenzene	12.74	156	56834	19.933	ug/l	99
78) n-propylbenzene	12.80	91	288524	19.818	ug/l	100
79) 2-Chlorotoluene	12.89	91	167361	19.998	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206265	19.700	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14342	19.892	ug/l	99
82) 4-Chlorotoluene	12.99	91	177542	20.106	ug/l	100
83) tert-Butylbenzene	13.21	119	182904	19.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207797	20.084	ug/l	100
85) sec-Butylbenzene	13.38	105	250482	19.631	ug/l	100
86) p-Isopropyltoluene	13.50	119	231584	19.768	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	111271	19.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	111034	20.018	ug/l	98
89) n-Butylbenzene	13.82	91	216459	19.592	ug/l	99
90) Hexachloroethane	14.09	117	39910	19.010	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	100421	20.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7743	19.460	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69422	19.612	ug/l	99
94) Hexachlorobutadiene	15.23	225	47452	18.936	ug/l	98
95) Naphthalene	15.36	128	118863	20.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	61028	19.503	ug/l	99

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

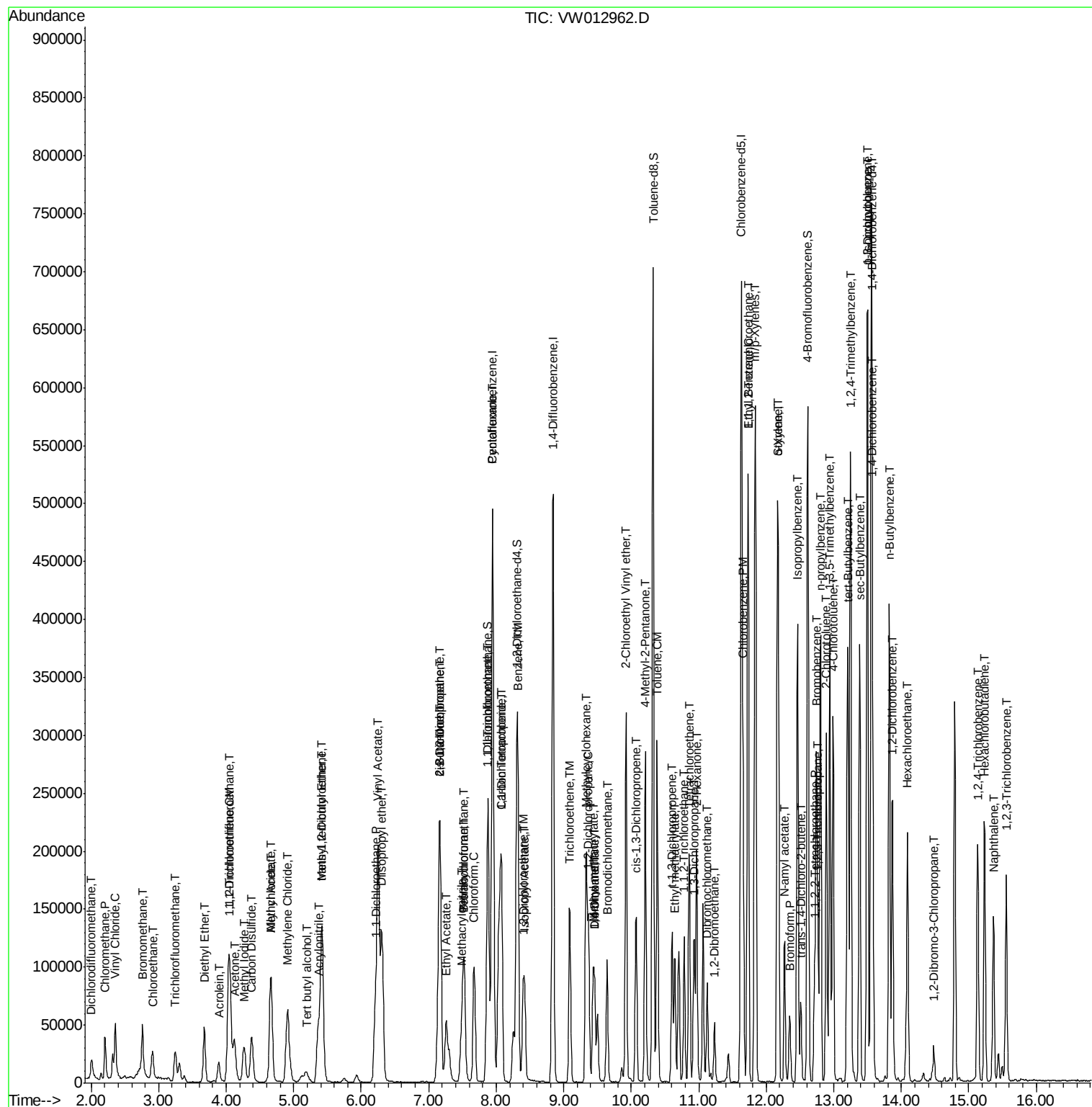
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
Data File : VW012962.D
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Operator : SY/VA
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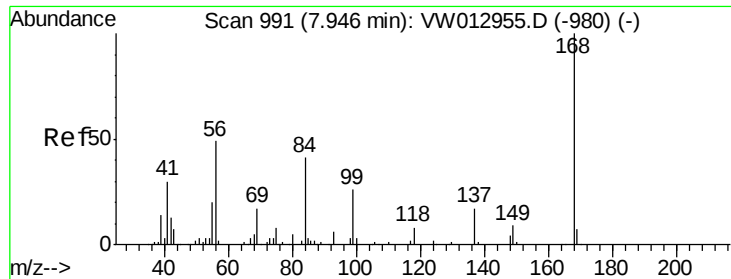
Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion:168 Resp: 288854

Ion Ratio Lower Upper

168 100

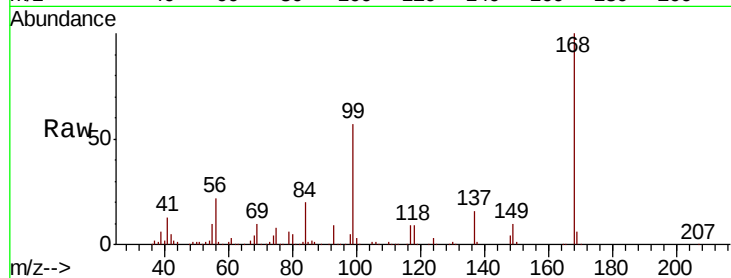
99 56.8 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

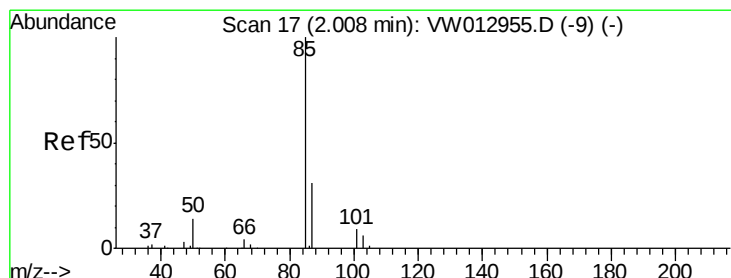
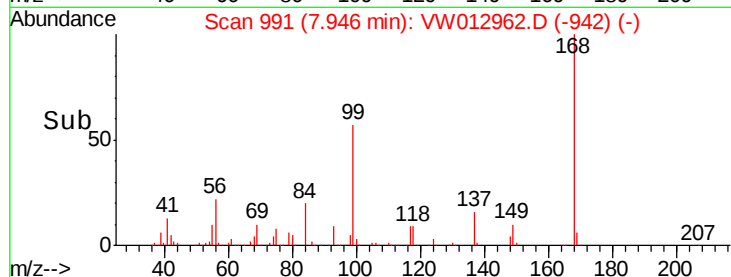
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.285 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012962.D

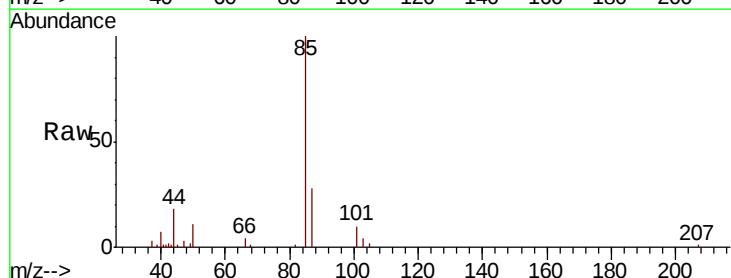
Acq: 13 Sep 2019 19:40

Tgt Ion: 85 Resp: 27383

Ion Ratio Lower Upper

85 100

87 28.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

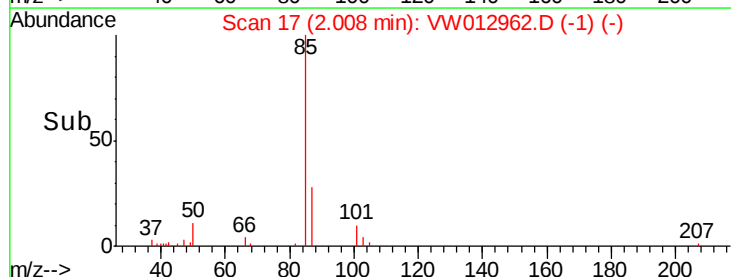
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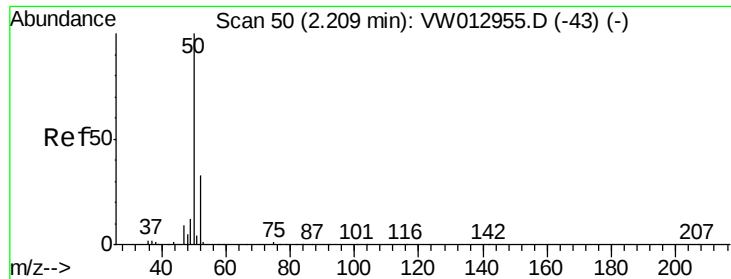
4000

2000

0

Time-->





#3

Chloromethane

Concen: 23.069 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 50 Resp: 35700

Ion Ratio Lower Upper

50 100

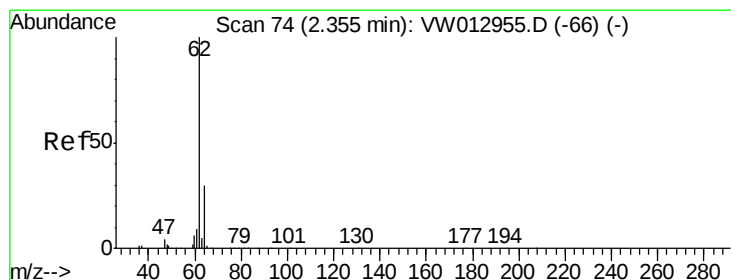
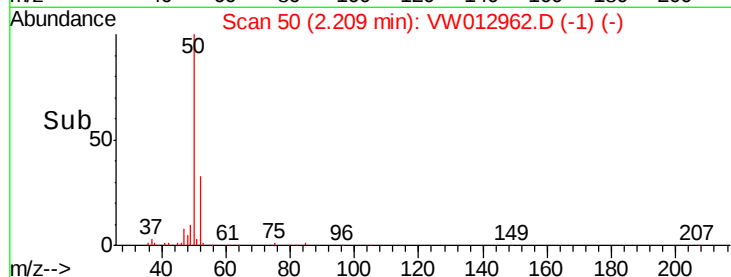
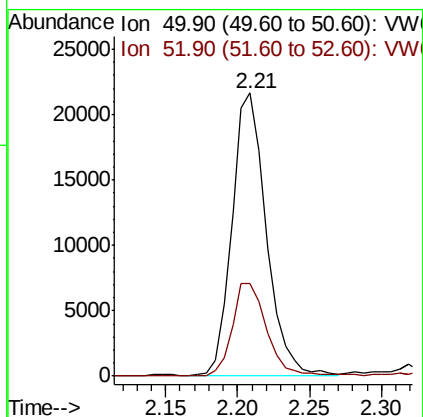
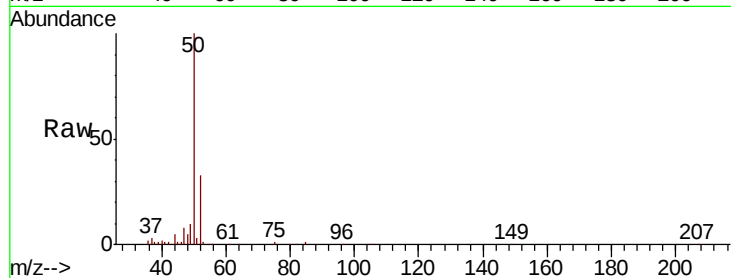
52 33.0 26.6 39.8

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#4

Vinyl Chloride

Concen: 22.672 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW012962.D

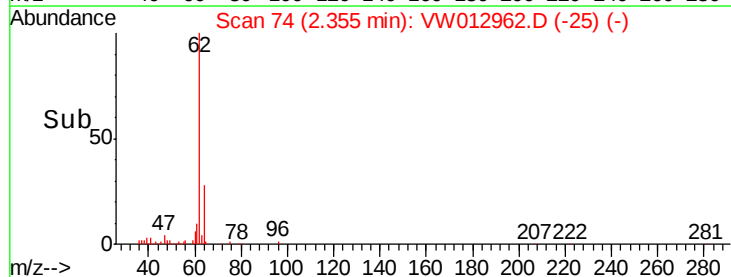
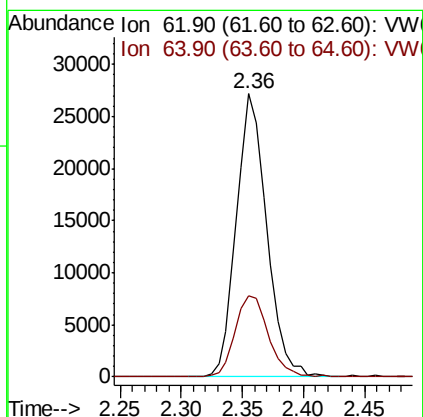
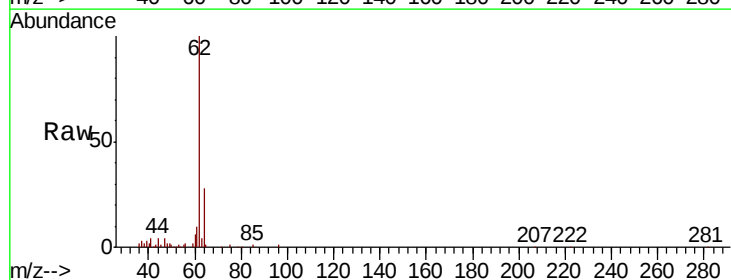
Acq: 13 Sep 2019 19:40

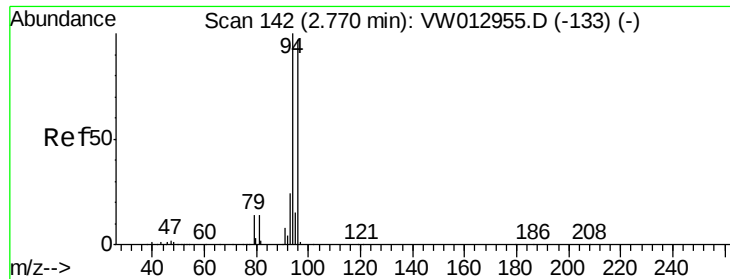
Tgt Ion: 62 Resp: 46874

Ion Ratio Lower Upper

62 100

64 28.5 24.2 36.4





#5

Bromomethane

Concen: 21.053 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 94 Resp: 26582

Ion Ratio Lower Upper

94 100

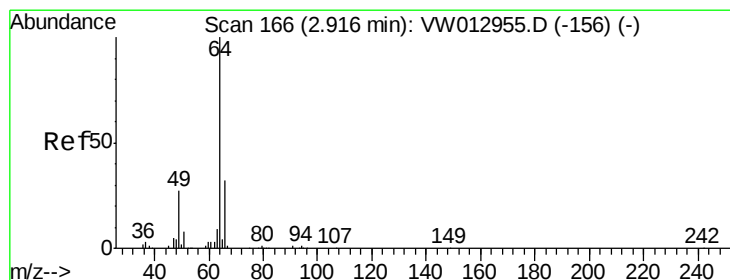
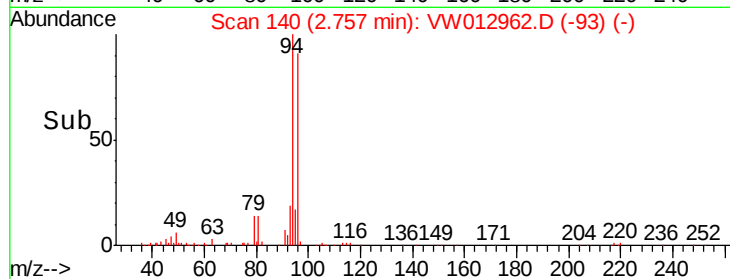
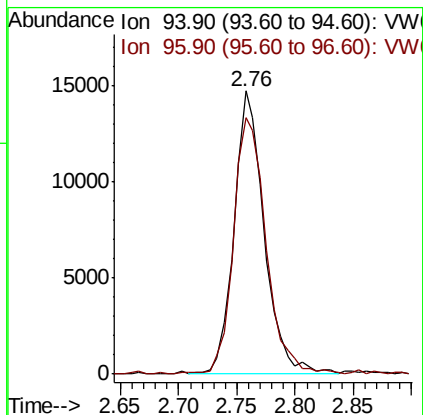
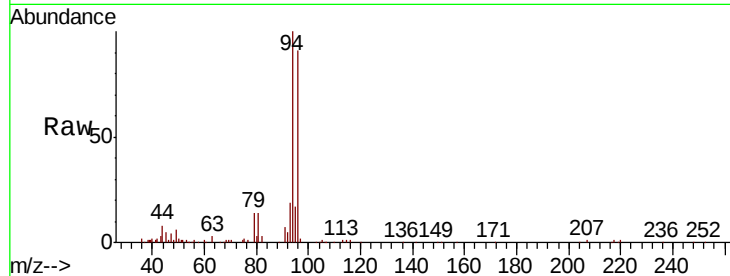
96 90.3 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 21.619 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012962.D

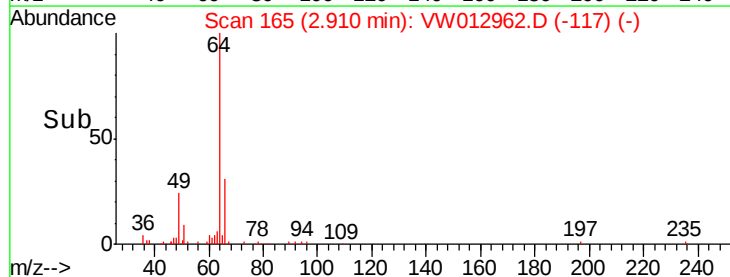
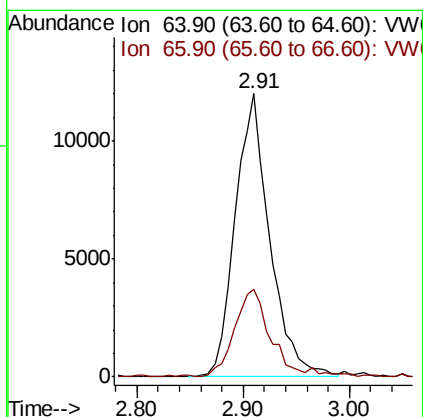
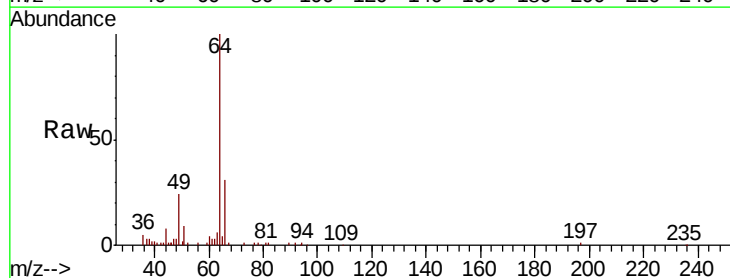
Acq: 13 Sep 2019 19:40

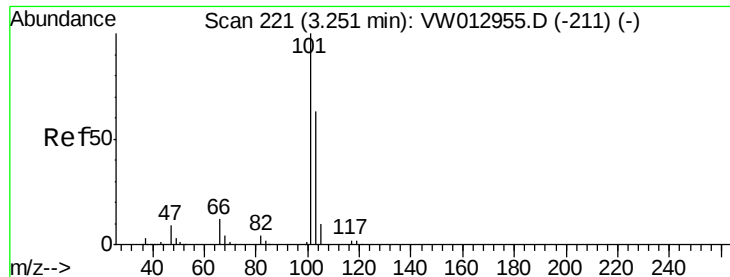
Tgt Ion: 64 Resp: 27414

Ion Ratio Lower Upper

64 100

66 30.0 25.9 38.9





#7

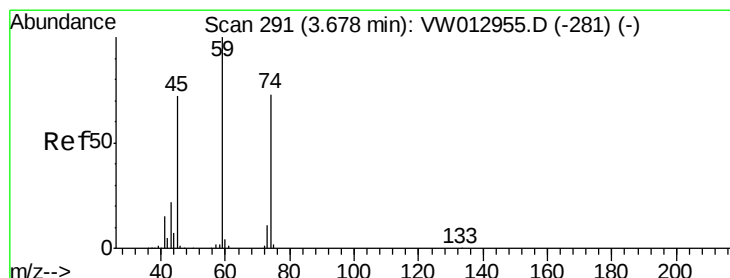
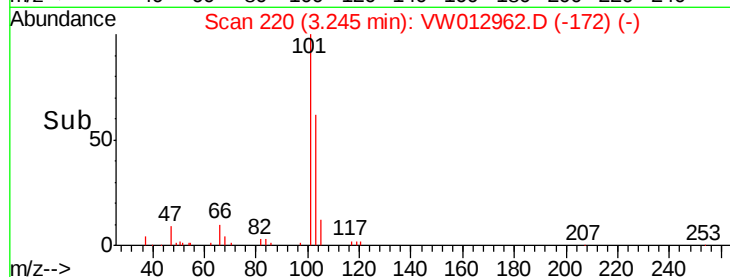
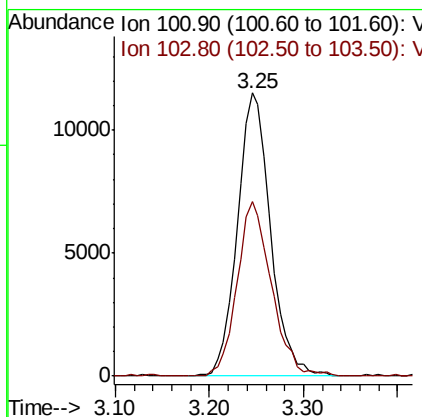
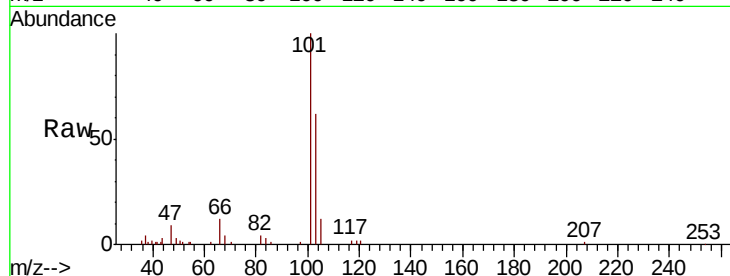
Trichlorofluoromethane
 Concen: 19.561 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012962.D
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Instrument :
 MSVOA_W
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 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	28281		
103	61.9	50.7	76.1	

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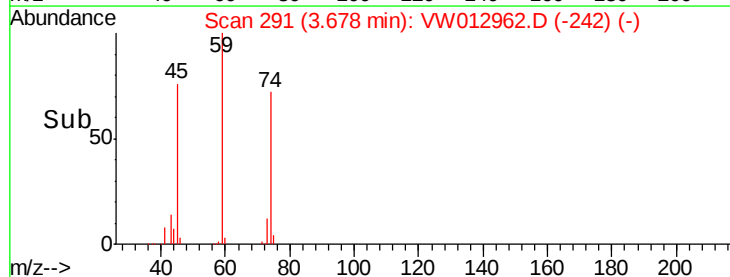
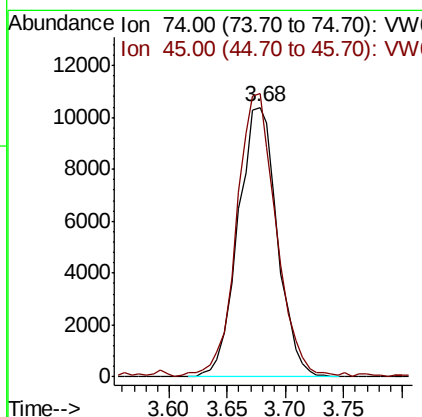
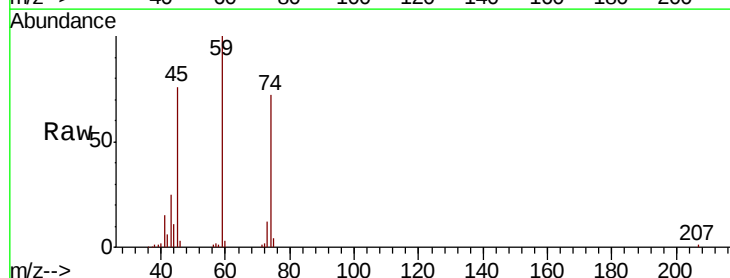
MMDadoda
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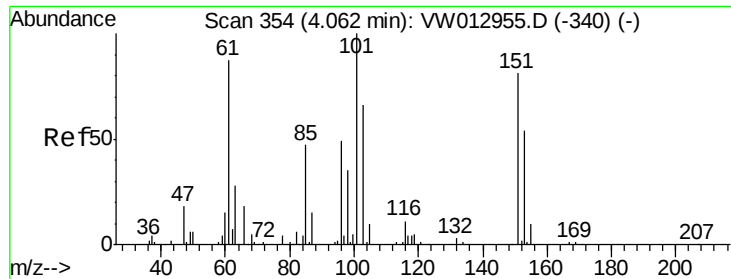


#8

Diethyl Ether
 Concen: 21.563 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012962.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	24343		
45	107.0	53.8	161.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.817 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

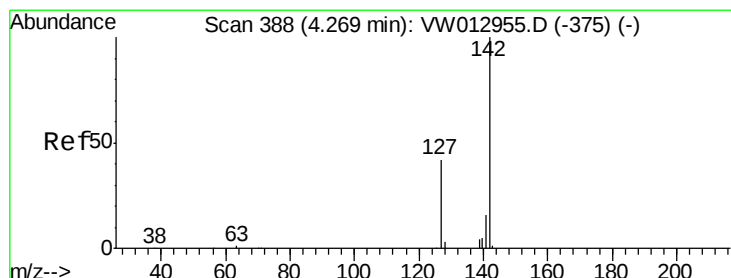
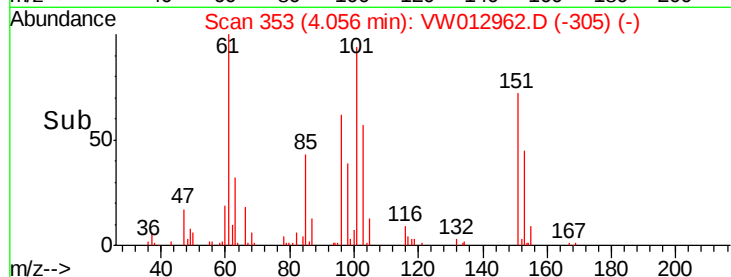
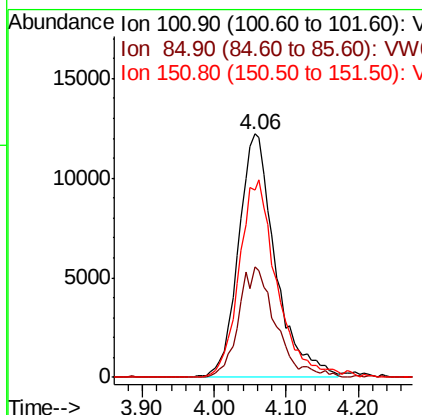
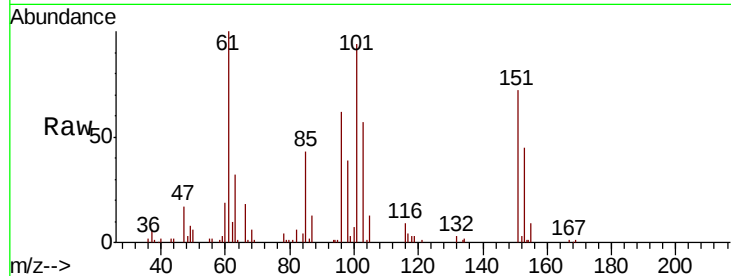
ClientSampleId :

VW0914SBS01

Tgt Ion:	101	Resp:	43456
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.9	52.3
151	82.7	66.0	99.0

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#10

Methyl Iodide

Concen: 21.018 ug/l

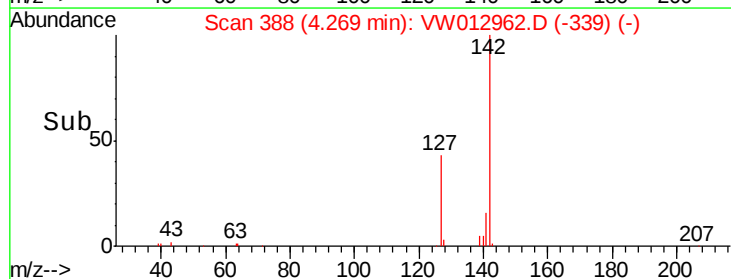
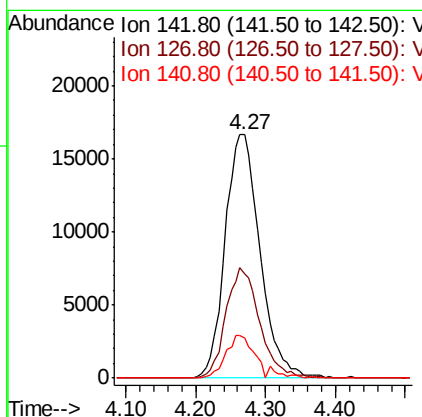
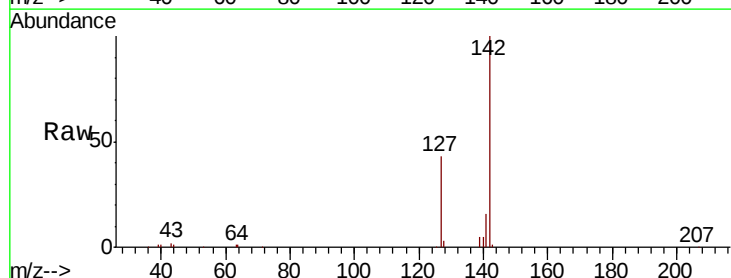
RT: 4.27 min Scan# 388

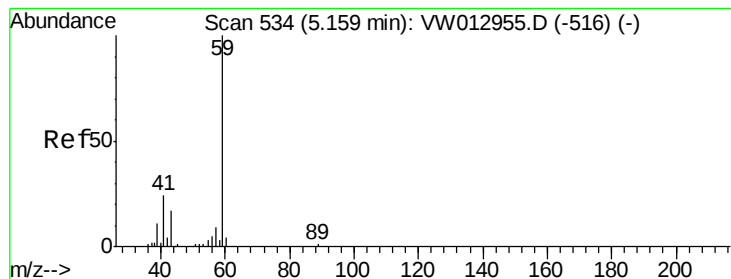
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	142	Resp:	57679
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.7	52.1
141	13.8	12.2	18.2





#11

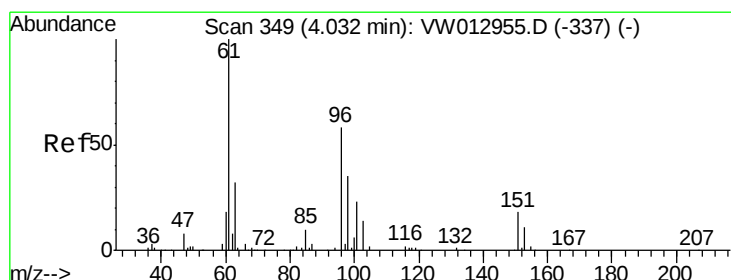
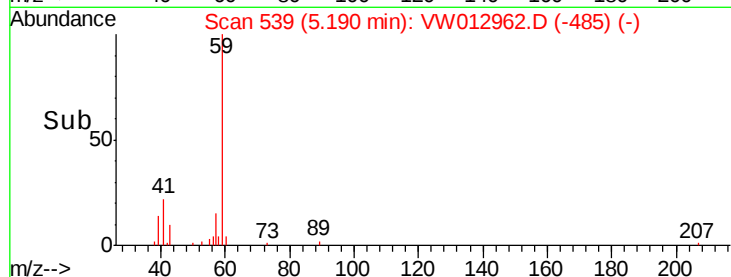
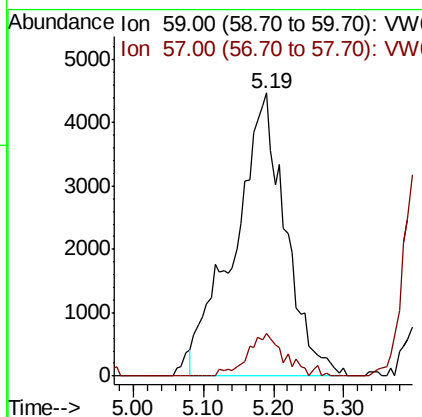
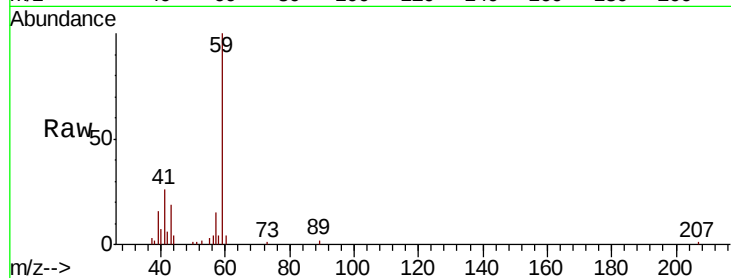
Tert butyl alcohol
Concen: 114.479 ug/l m
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

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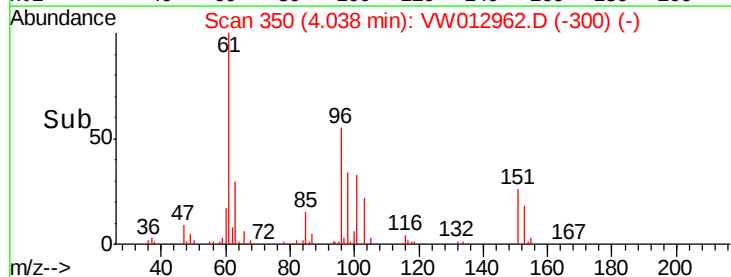
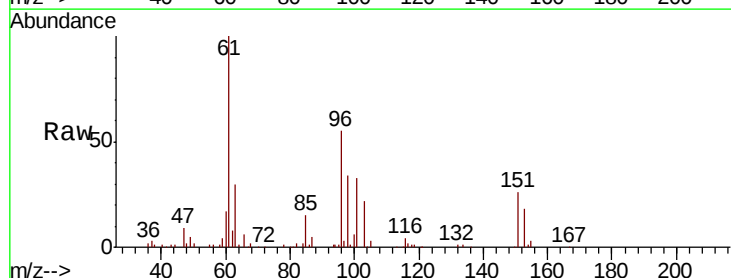
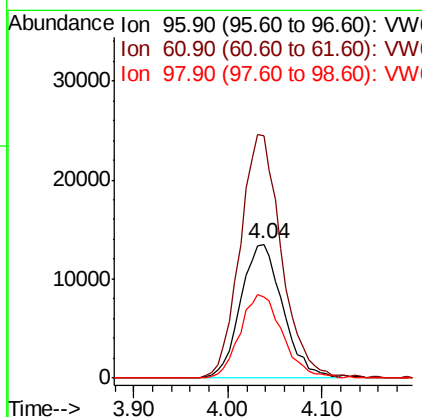
MMDadoda
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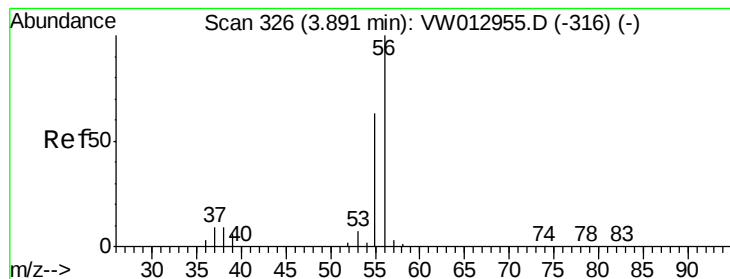


#12

1,1-Dichloroethene
Concen: 21.185 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.8	137.9	206.9
98	60.8	48.9	73.3





#13

Acrolein

Concen: 102.141 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 56 Resp: 20903

Ion Ratio Lower Upper

56 100

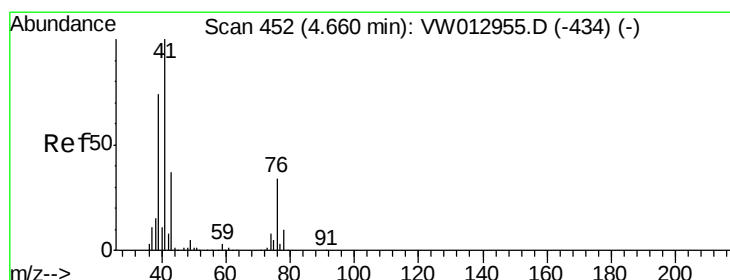
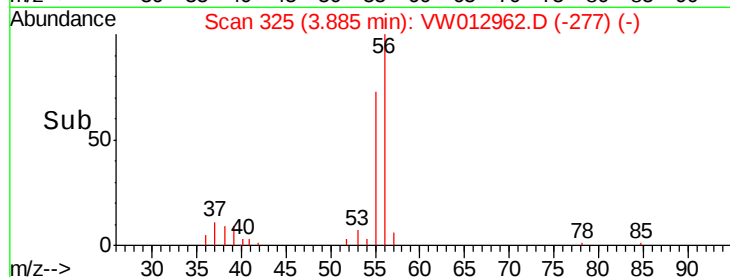
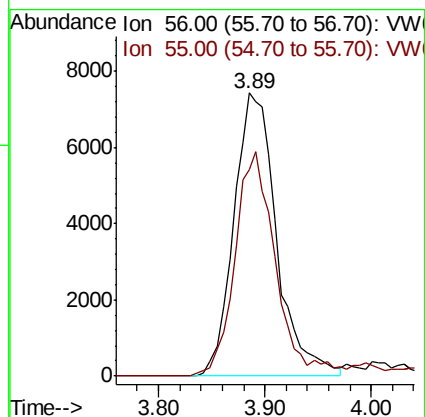
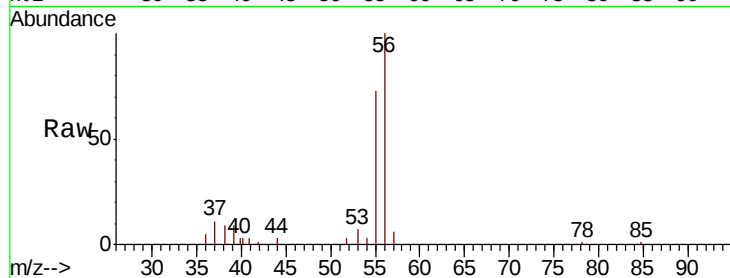
55 75.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 21.744 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

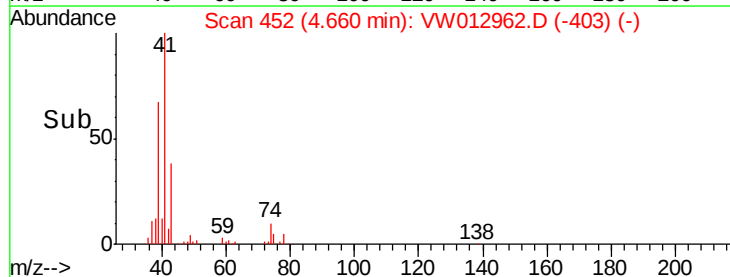
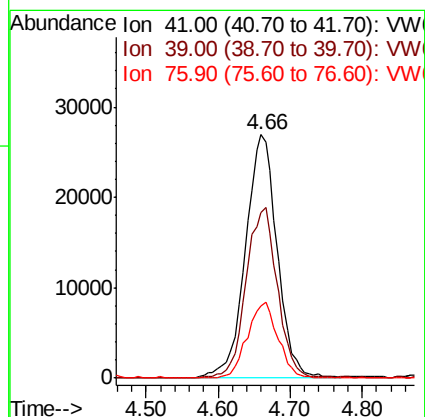
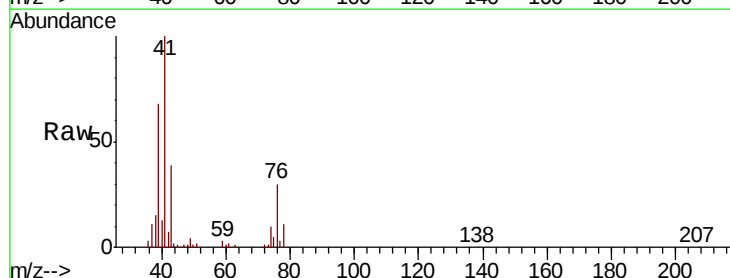
Tgt Ion: 41 Resp: 82303

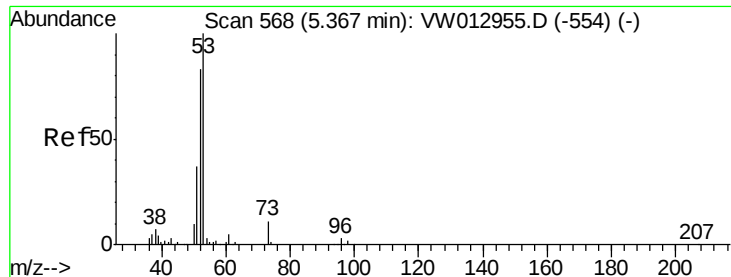
Ion Ratio Lower Upper

41 100

39 69.4 56.7 85.1

76 30.0 25.1 37.7





#15

Acrylonitrile

Concen: 107.389 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

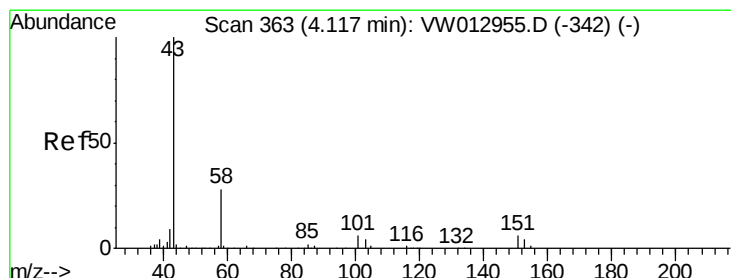
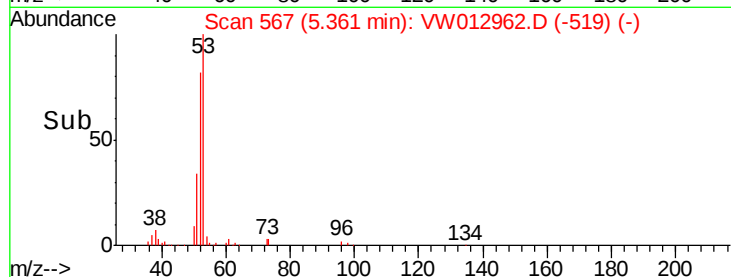
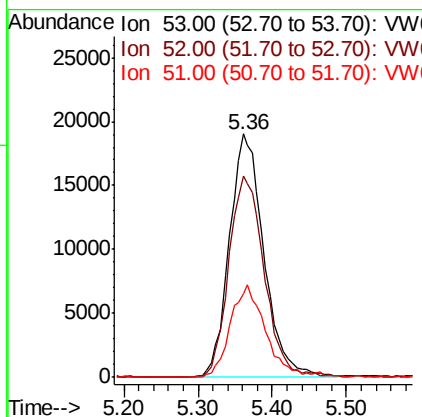
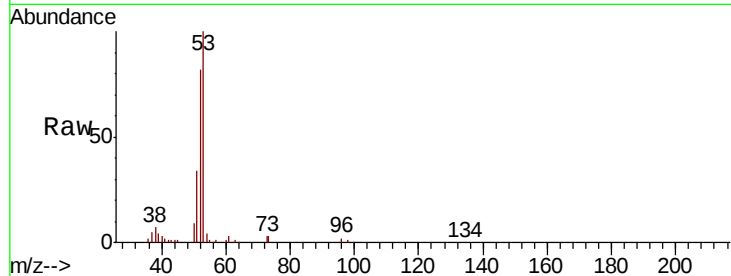
ClientSampleId :

VW0914SBS01

Tgt Ion:	53	Resp:	61920
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	100.0
51	38.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 88.399 ug/l

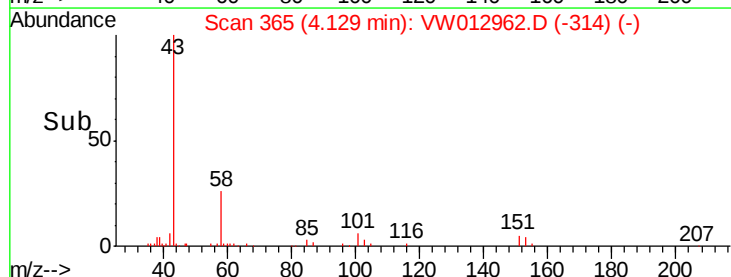
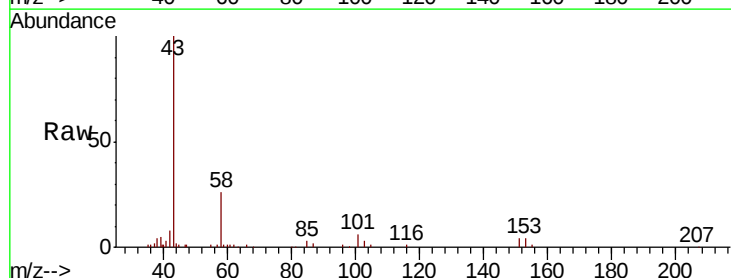
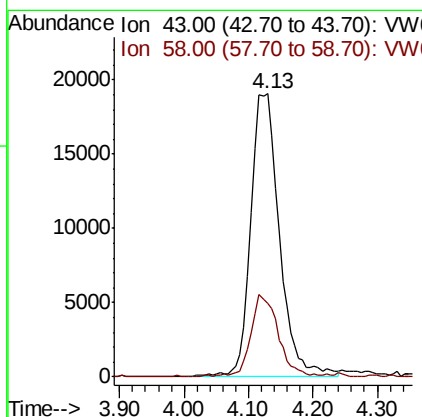
RT: 4.13 min Scan# 365

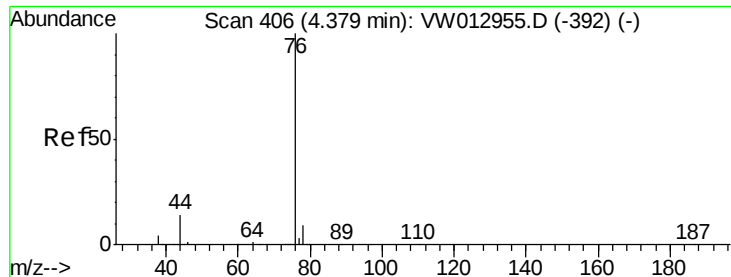
Delta R.T. 0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	43	Resp:	58487
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.3	33.5





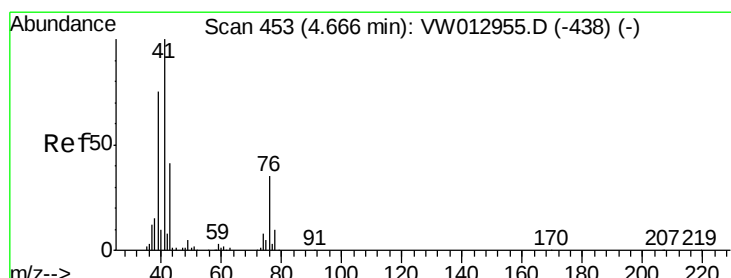
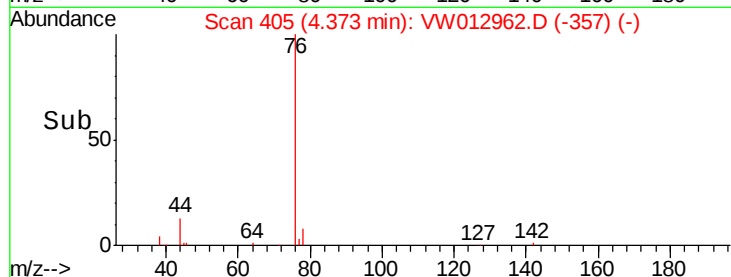
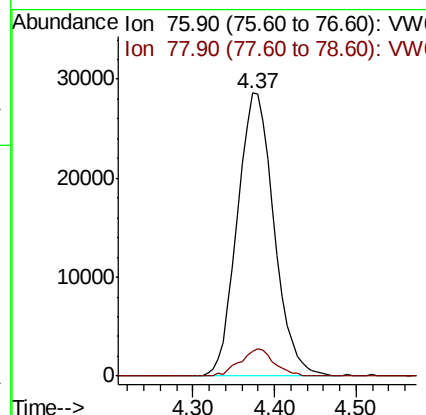
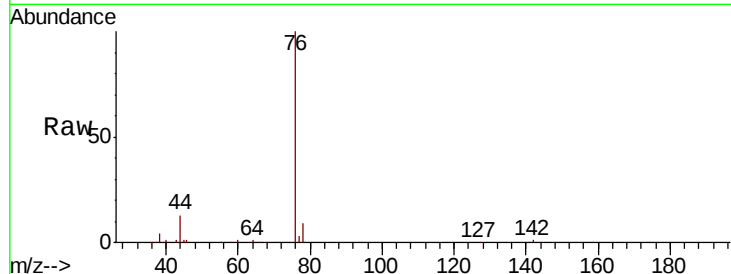
#17
Carbon Disulfide
Concen: 22.463 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion: 76 Resp: 89254
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

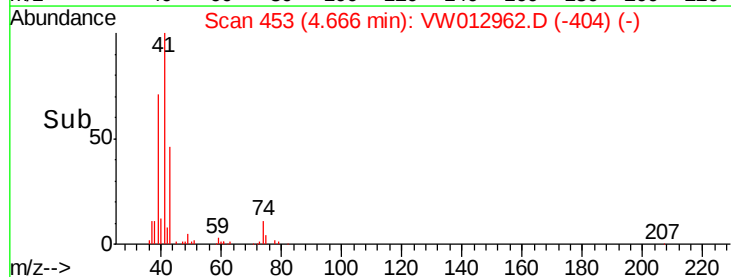
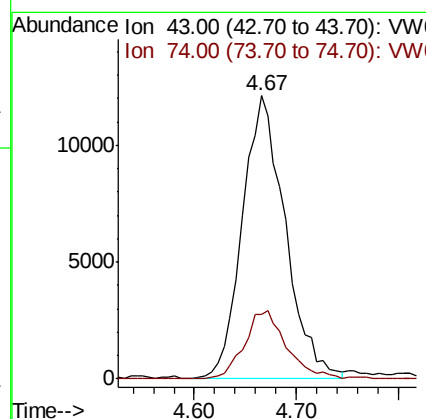
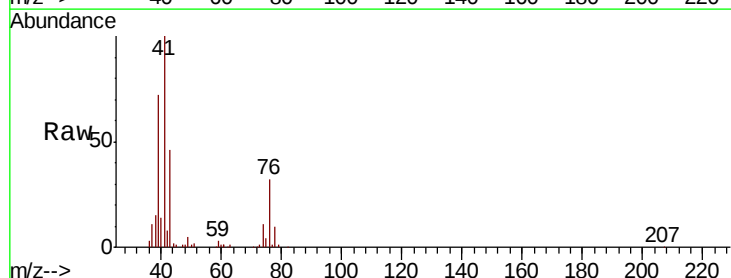
Manual Integrations
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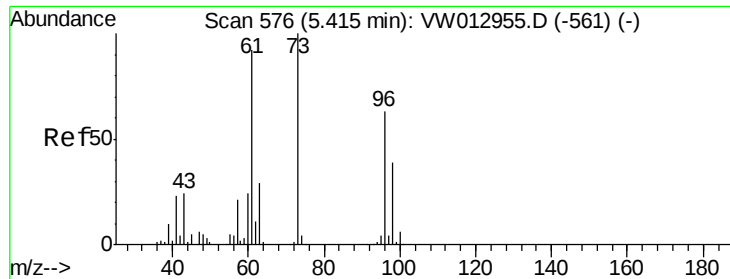
MMDadoda
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#18
Methyl Acetate
Concen: 23.333 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion: 43 Resp: 35464
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8





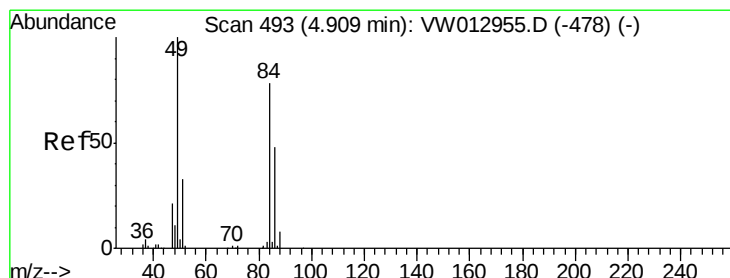
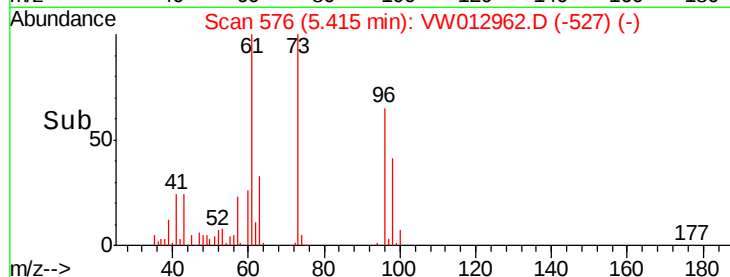
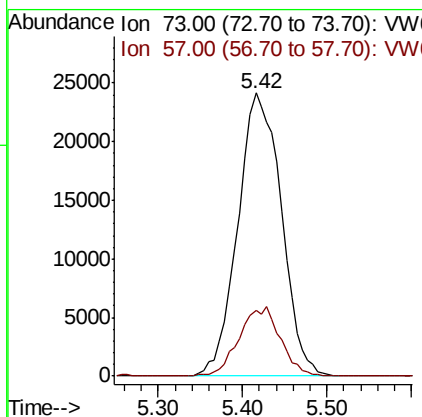
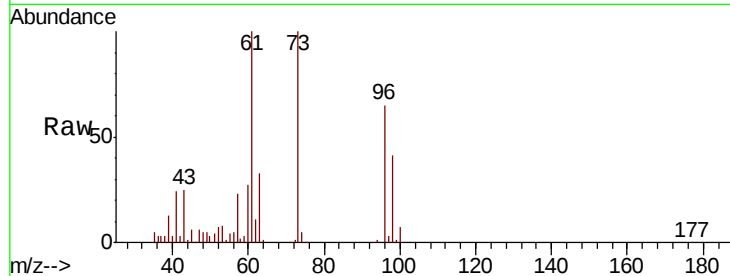
#19
Methyl tert-butyl Ether
Concen: 21.568 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion: 73 Resp: 84886
Ion Ratio Lower Upper
73 100
57 23.2 16.4 24.6

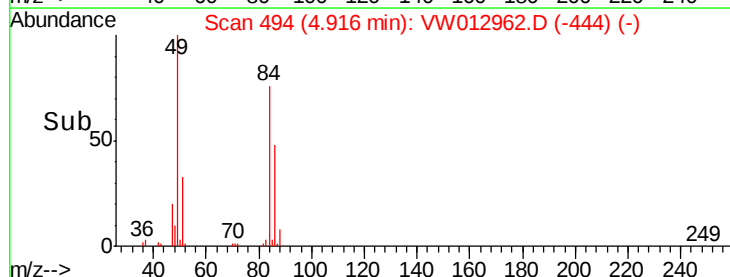
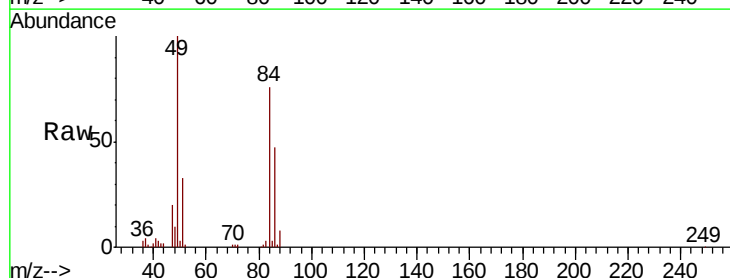
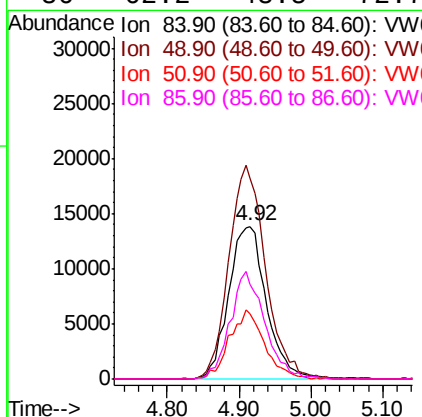
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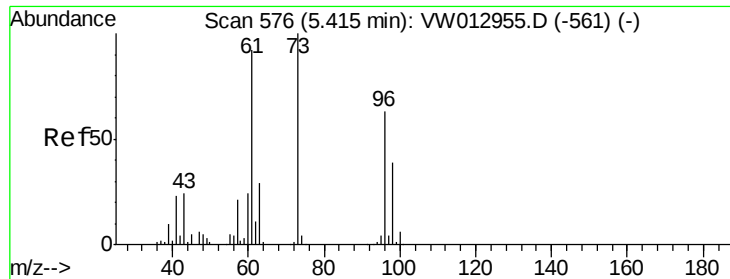
MMDadoda
9/16/2019 12:43:49 AM



#20
Methylene Chloride
Concen: 20.244 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion: 84 Resp: 50284
Ion Ratio Lower Upper
84 100
49 131.5 102.0 153.0
51 42.9 34.0 51.0
86 62.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 21.812 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 96 Resp: 46578

Ion Ratio Lower Upper

96 100

61 154.0 116.2 174.2

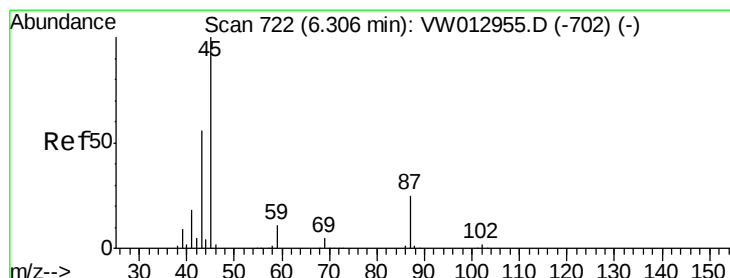
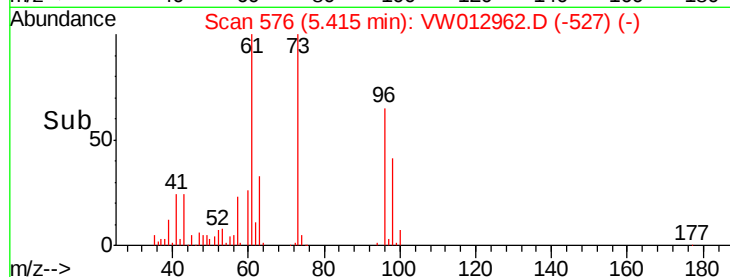
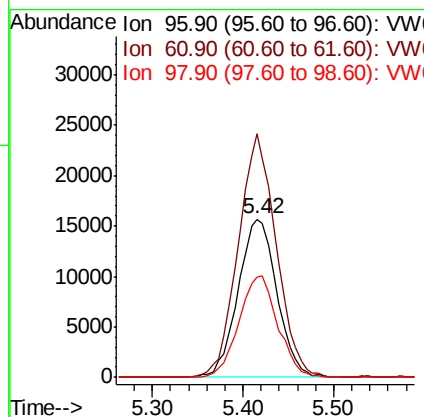
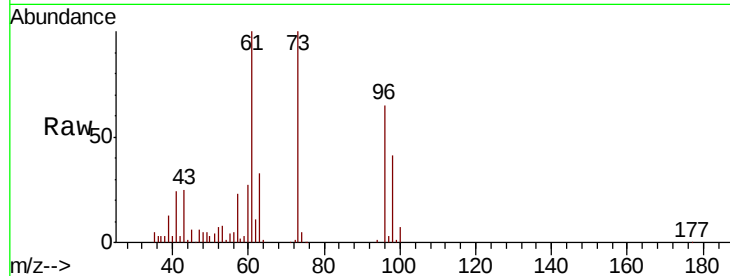
98 63.6 49.8 74.6

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#22

Diisopropyl ether

Concen: 21.234 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion: 45 Resp: 166970

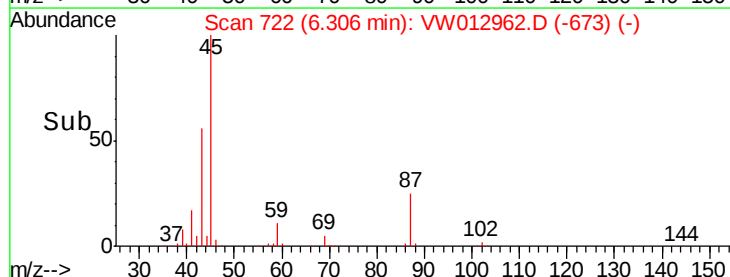
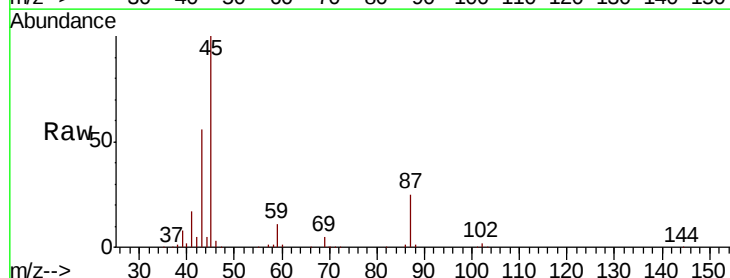
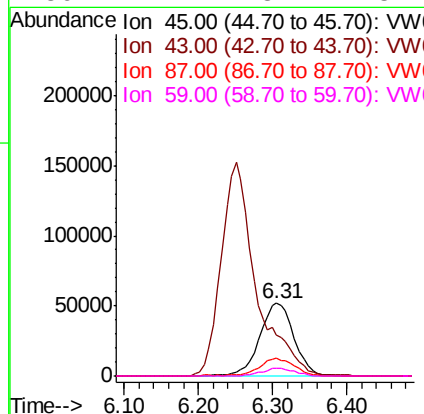
Ion Ratio Lower Upper

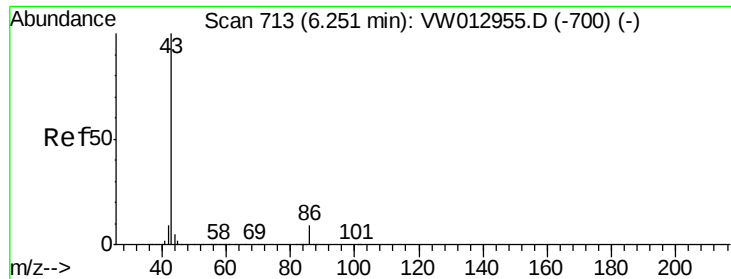
45 100

43 55.9 44.6 67.0

87 25.1 20.0 30.0

59 11.2 8.7 13.1





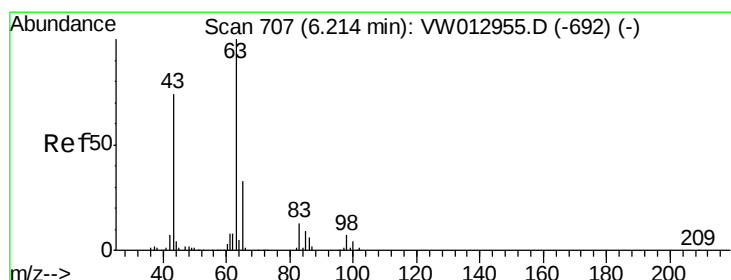
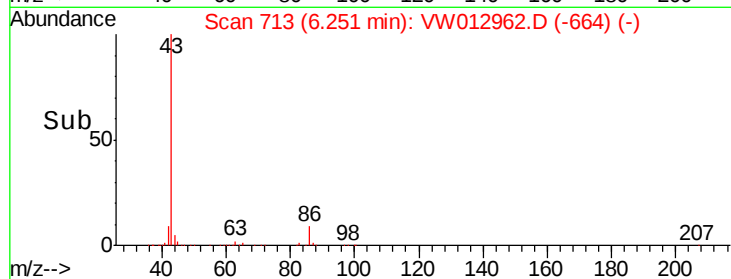
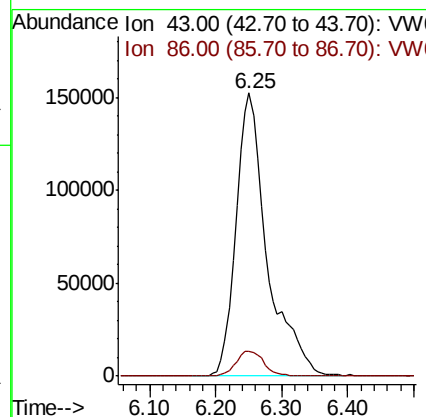
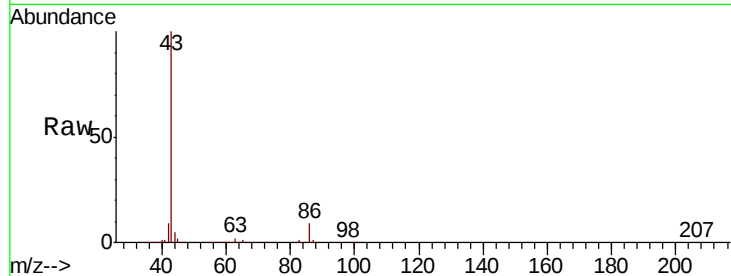
#23
 Vinyl Acetate
 Concen: 105.631 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	497492		
86	8.7	7.0	10.6	

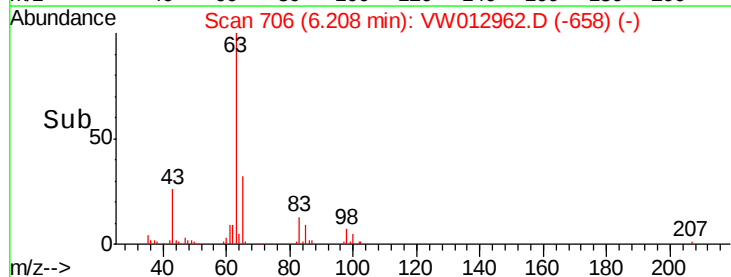
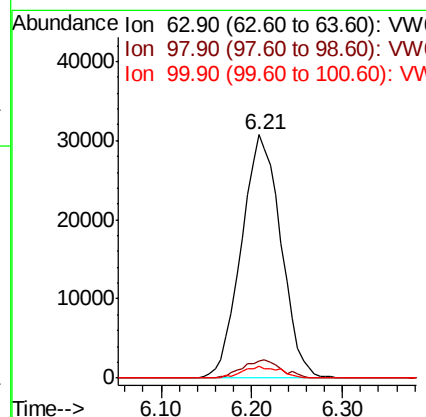
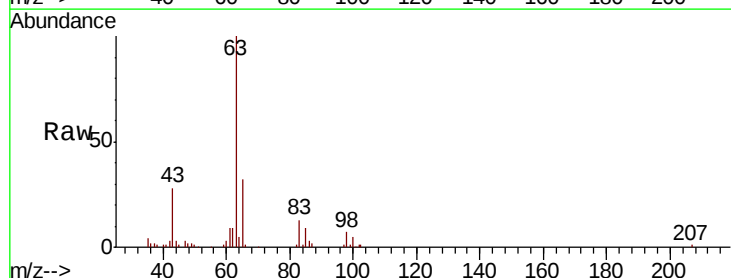
Manual Integrations
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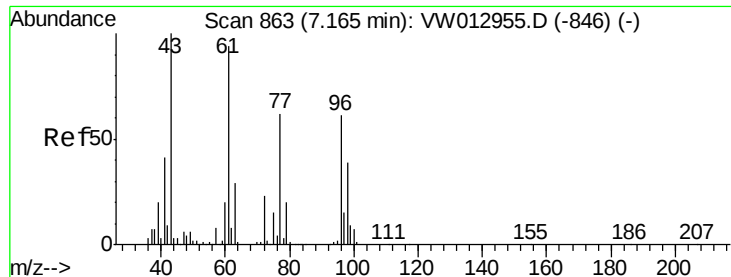
MMDadoda
 9/16/2019 12:43:49 AM



#24
 1,1-Dichloroethane
 Concen: 20.458 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	92753		
98	7.3	3.3	9.9	
100	4.6	1.8	5.5	





#25

2-Butanone

Concen: 103.333 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 43 Resp: 87656

Ion Ratio Lower Upper

43 100

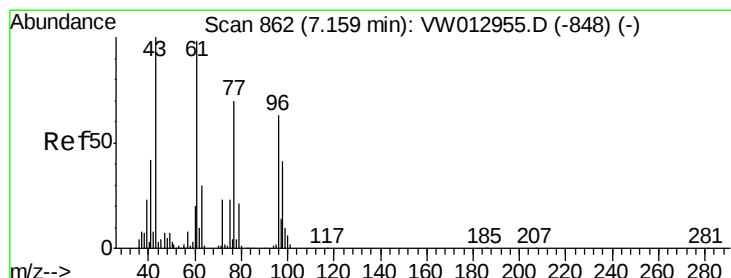
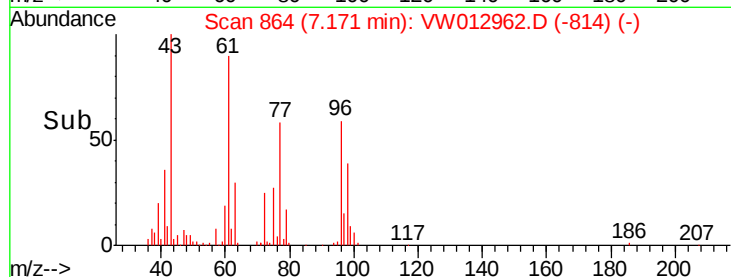
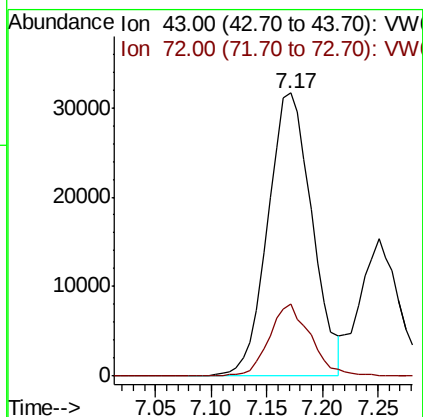
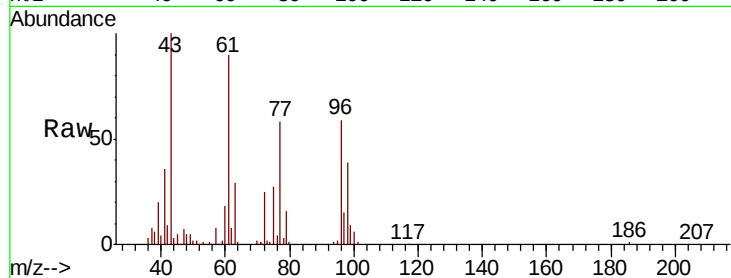
72 25.3 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 18.922 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW012962.D

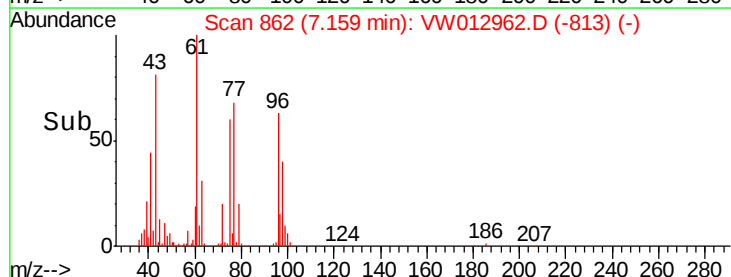
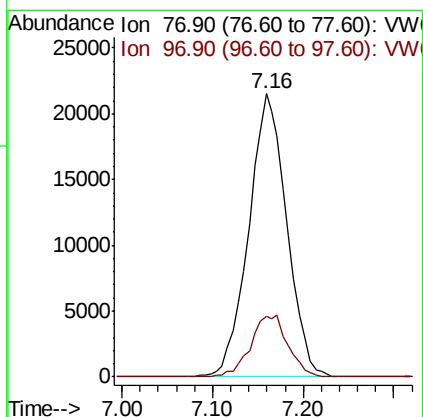
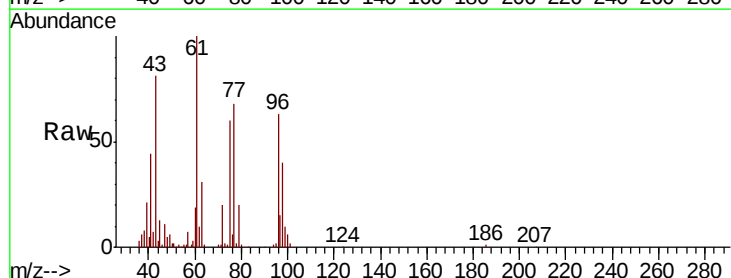
Acq: 13 Sep 2019 19:40

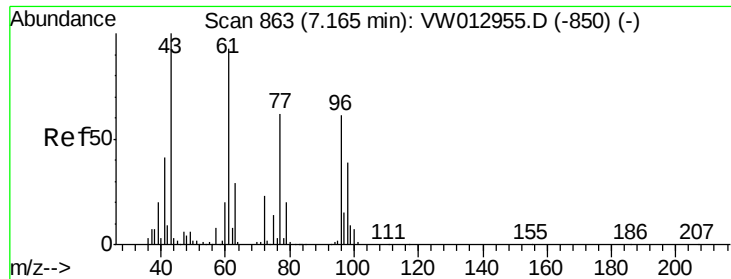
Tgt Ion: 77 Resp: 62199

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

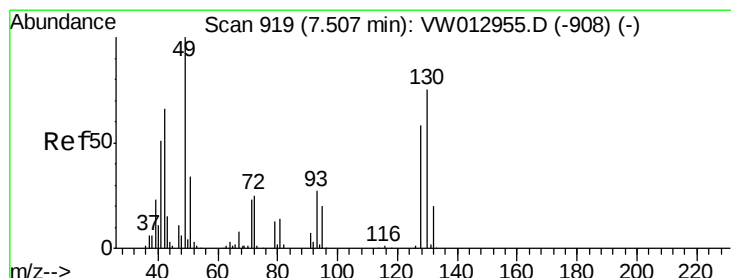
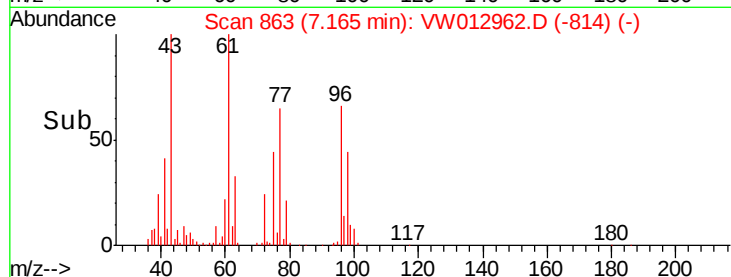
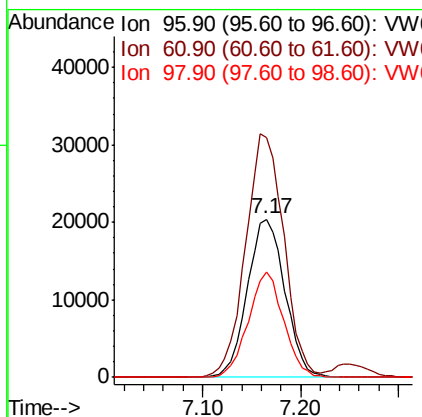
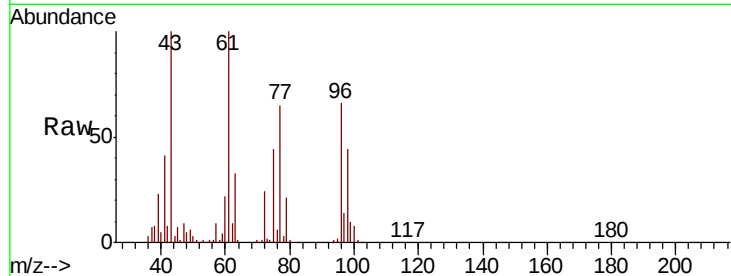
cis-1,2-Dichloroethene
 Concen: 21.248 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	315.4
98	62.8	0.0	131.0

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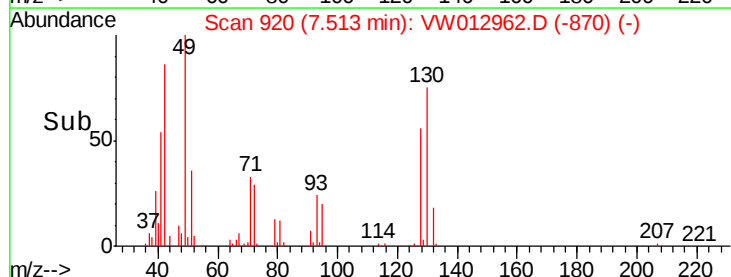
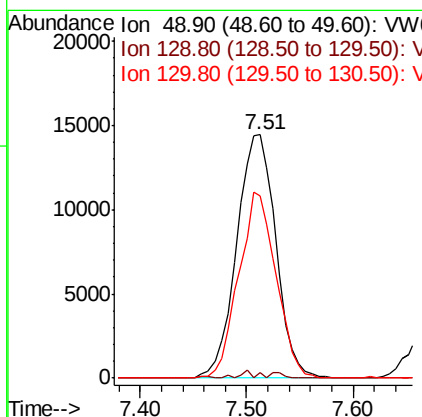
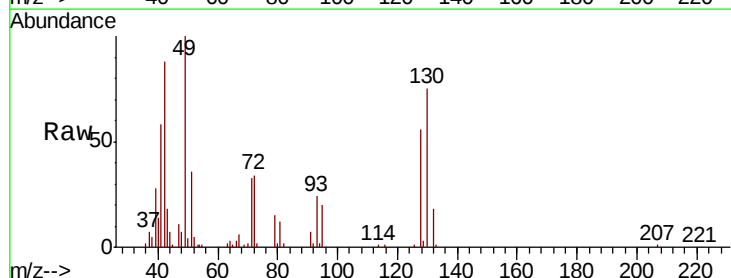
MMDadoda
 9/16/2019 12:43:49 AM

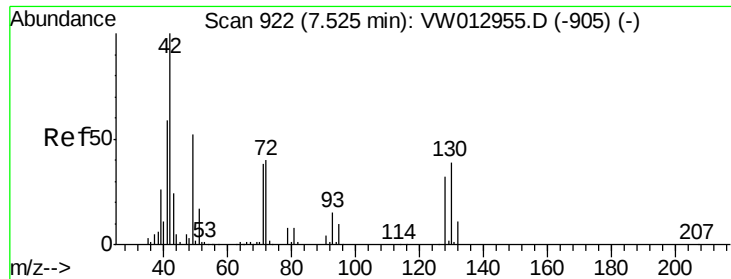


#28

Bromochloromethane
 Concen: 19.504 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.4
130	72.9	57.8	86.6





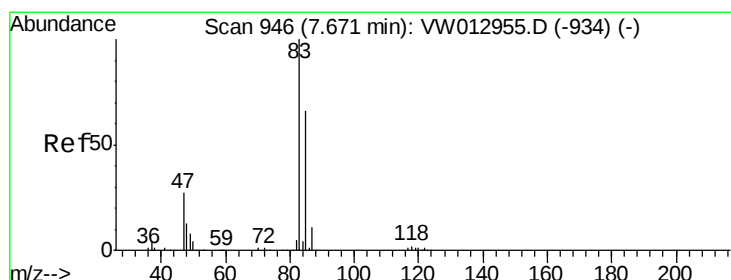
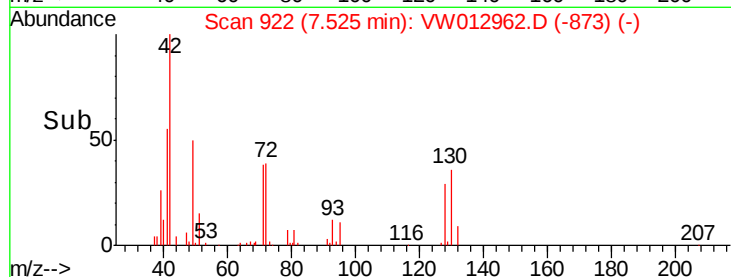
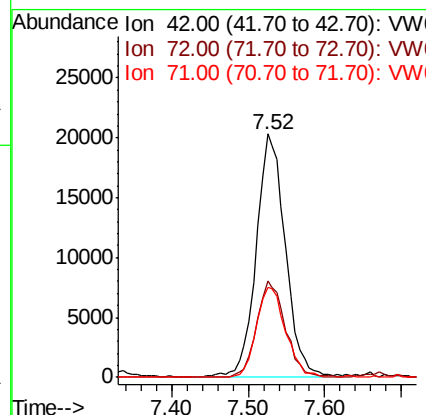
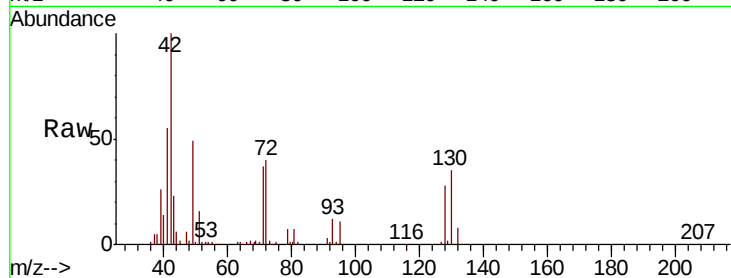
#29
Tetrahydrofuran
Concen: 112.275 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.4	47.0
71	36.9	29.8	44.8

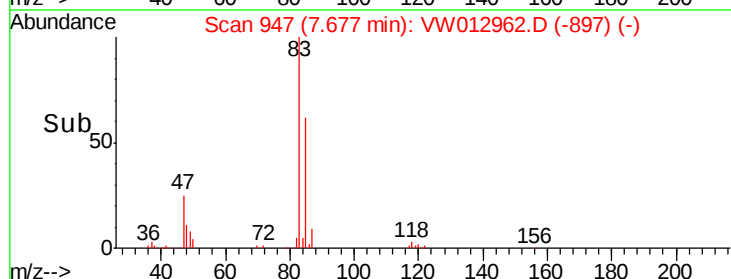
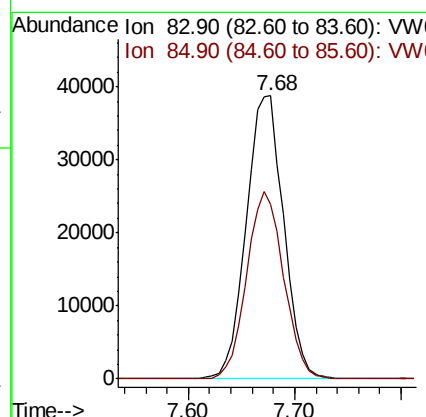
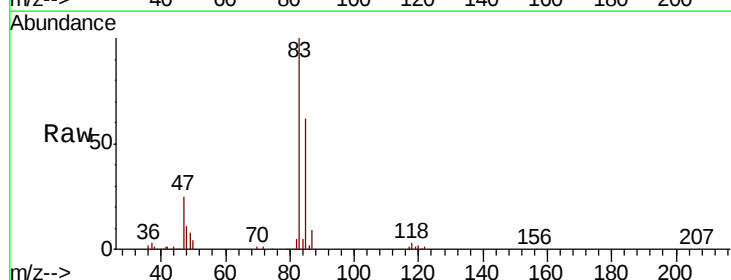
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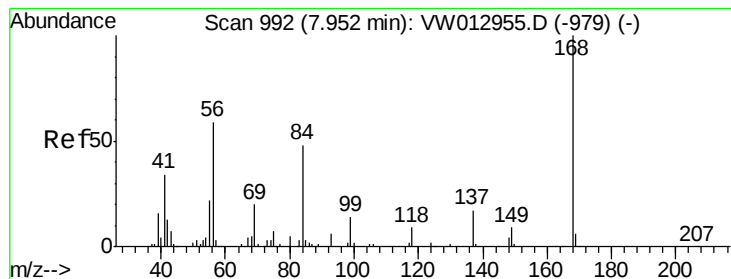
MMDadoda
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#30
Chloroform
Concen: 20.780 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.8	79.2





#31

Cyclohexane

Concen: 20.574 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 56 Resp: 78535
Ion Ratio Lower Upper

56 100

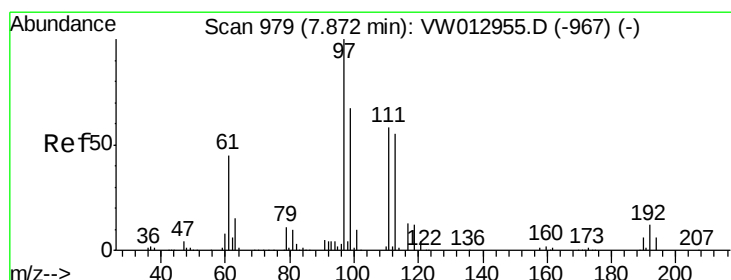
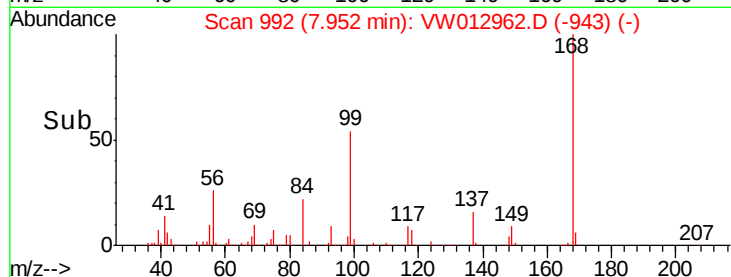
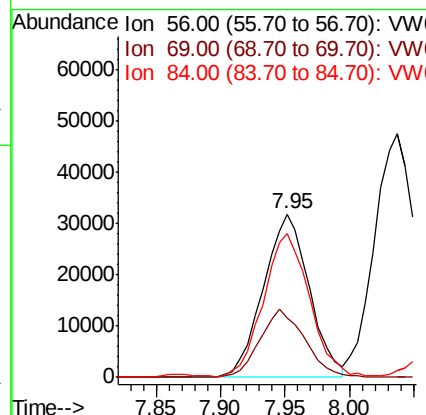
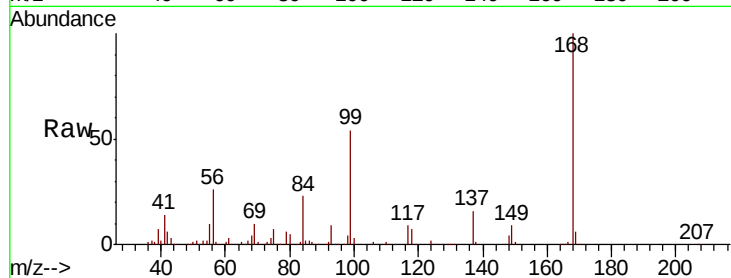
69 36.6 27.0 40.6

84 86.7 66.2 99.2

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#32

1,1,1-Trichloroethane

Concen: 20.447 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012962.D

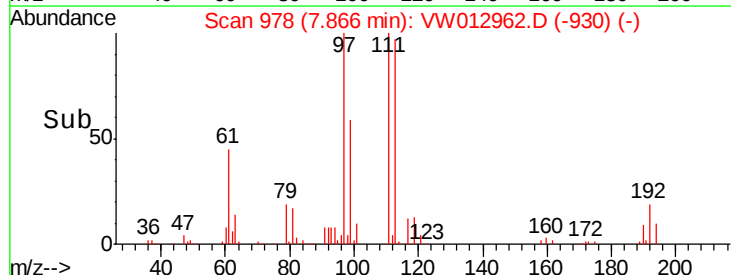
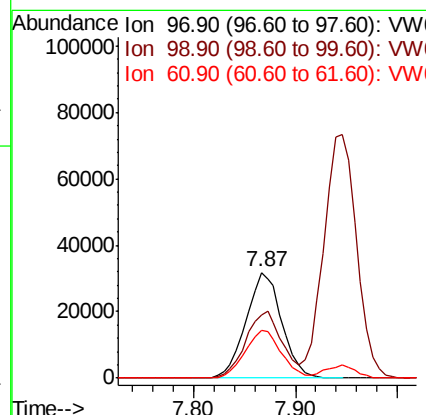
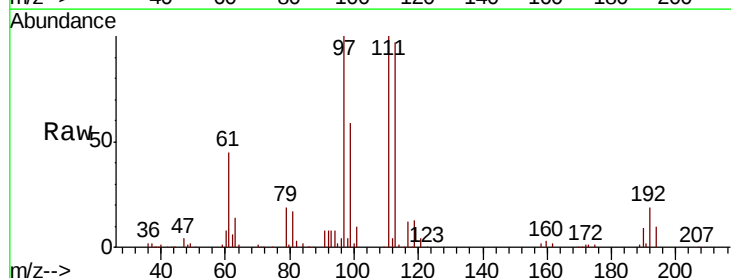
Acq: 13 Sep 2019 19:40

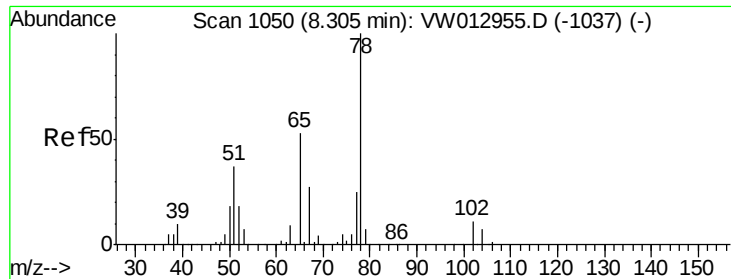
Tgt Ion: 97 Resp: 77571
Ion Ratio Lower Upper

97 100

99 63.9 53.0 79.4

61 46.5 36.5 54.7





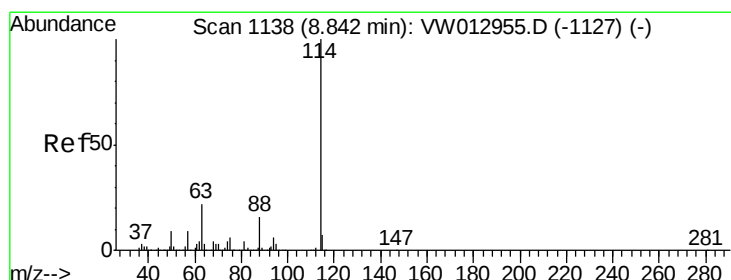
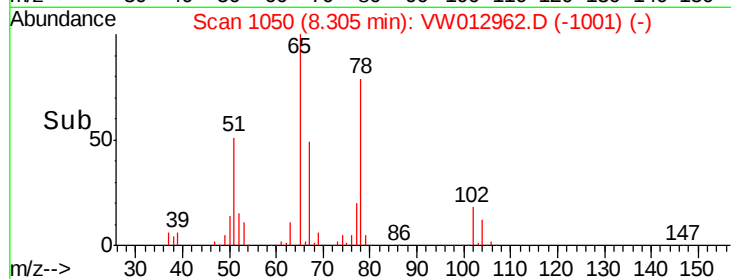
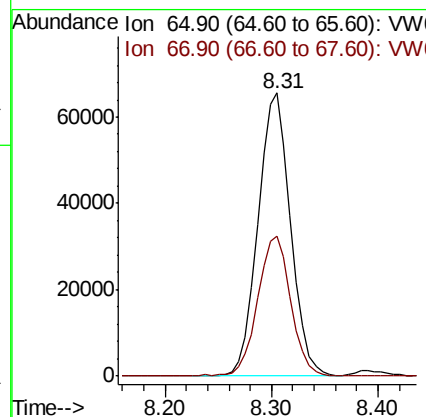
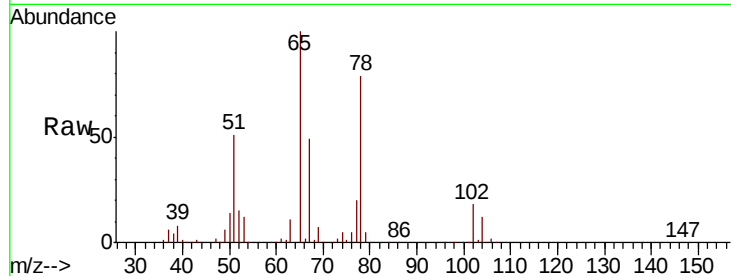
#33
 1,2-Dichloroethane-d4
 Concen: 52.543 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	140172		
67	50.5	0.0	101.2	

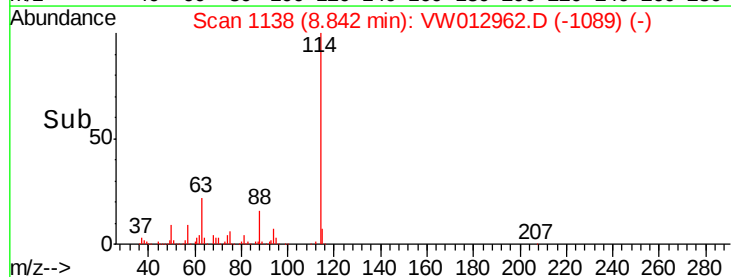
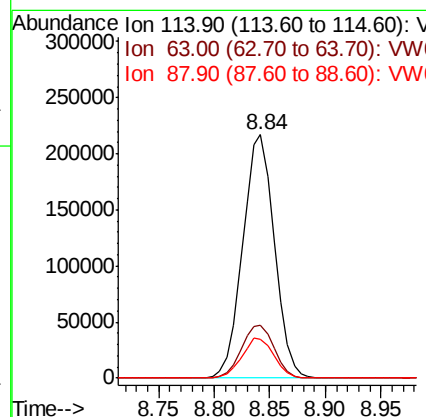
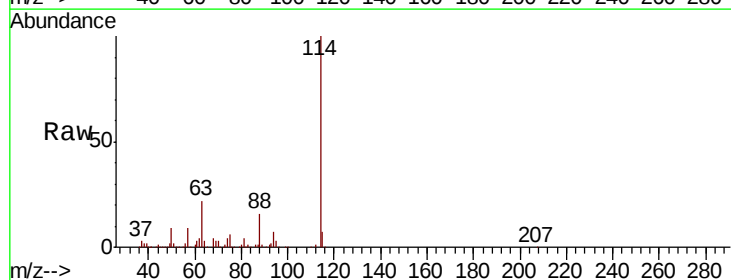
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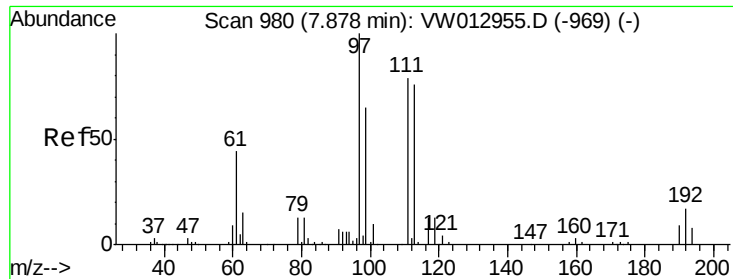
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428131		
63	22.0	0.0	43.4	
88	16.2	0.0	31.6	





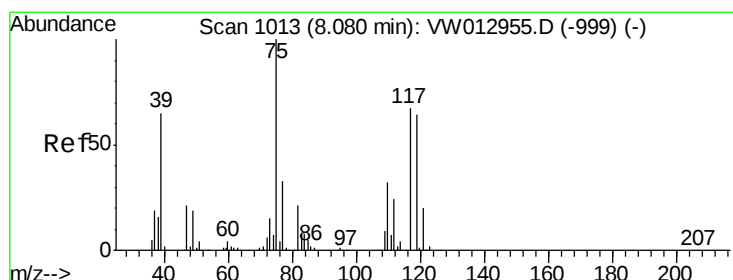
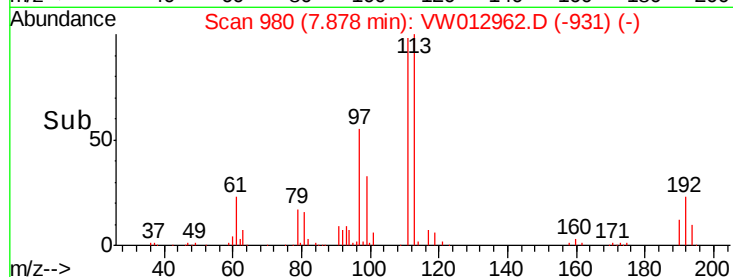
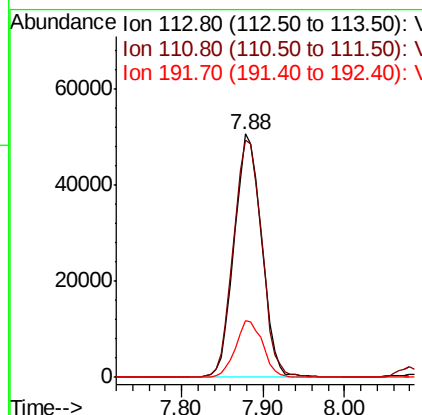
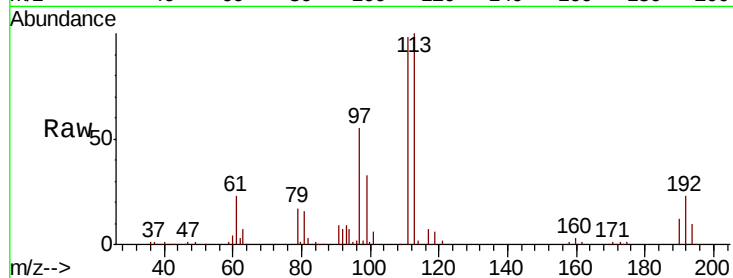
#35
 Dibromofluoromethane
 Concen: 50.473 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	117254		
111	101.5	82.8	124.2	
192	22.9	17.8	26.8	

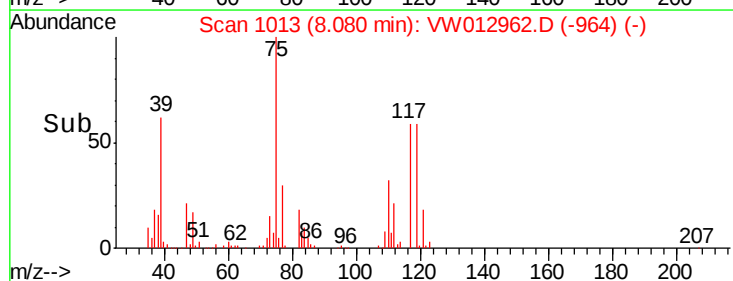
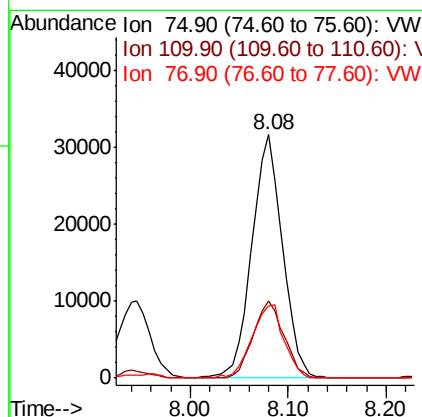
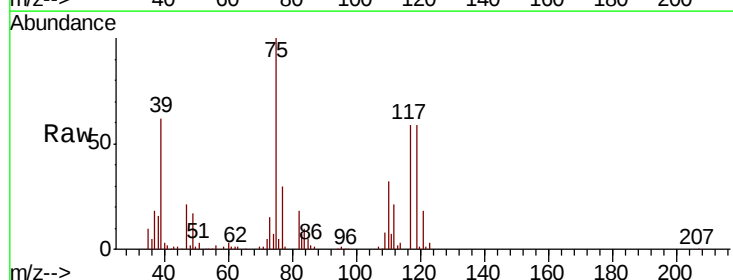
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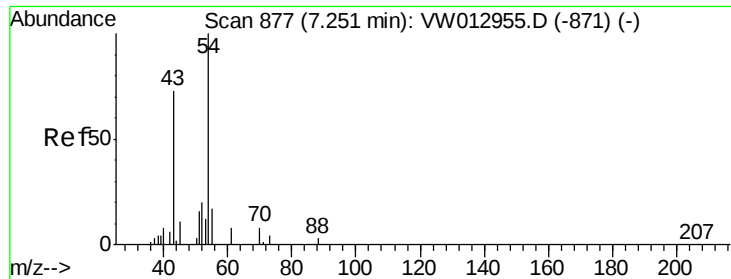
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#36
 1,1-Dichloropropene
 Concen: 20.149 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68931		
110	31.8	16.4	49.1	
77	31.3	25.1	37.7	





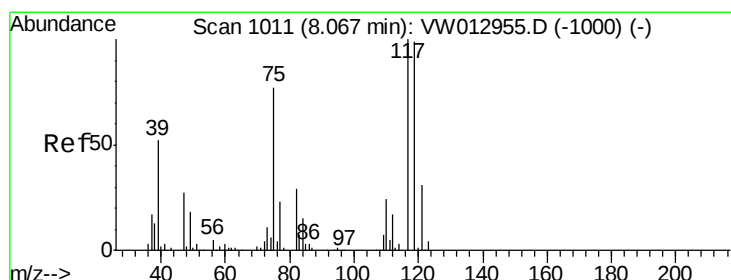
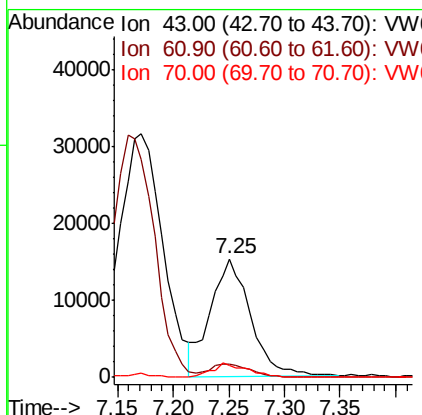
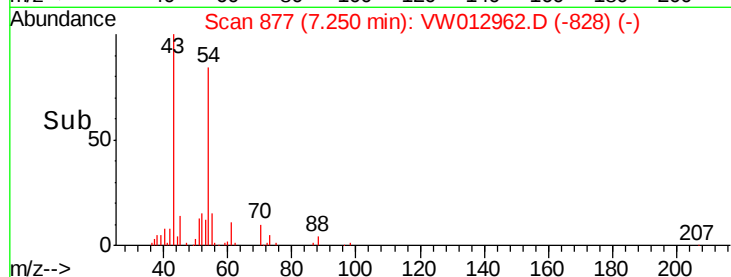
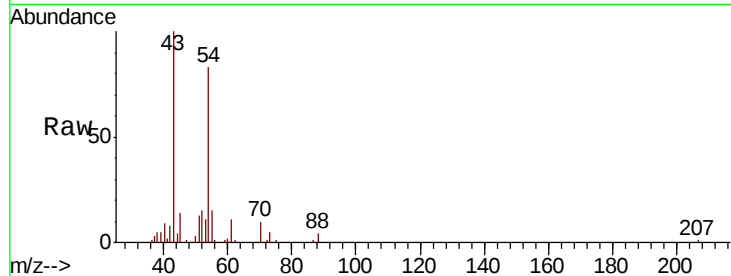
#37
Ethyl Acetate
Concen: 21.143 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.6	14.4
70	10.6	7.6	11.4

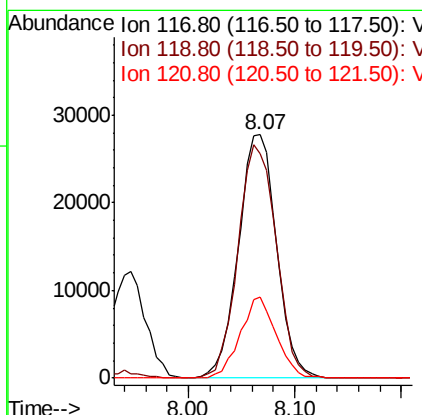
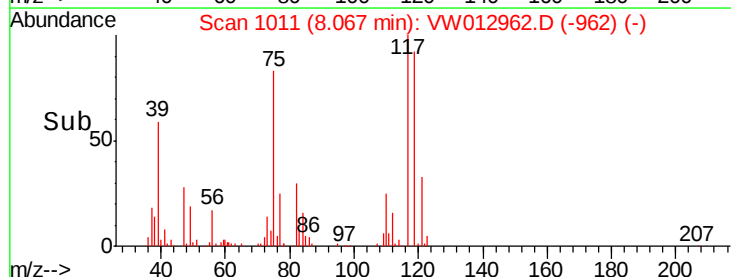
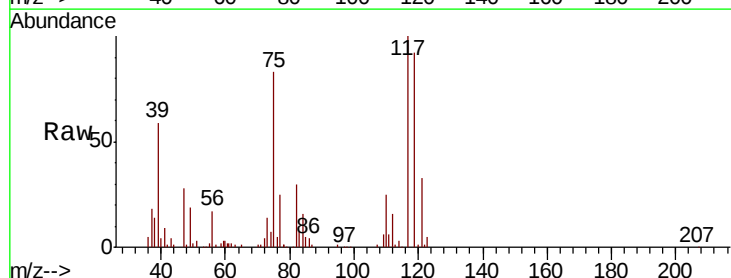
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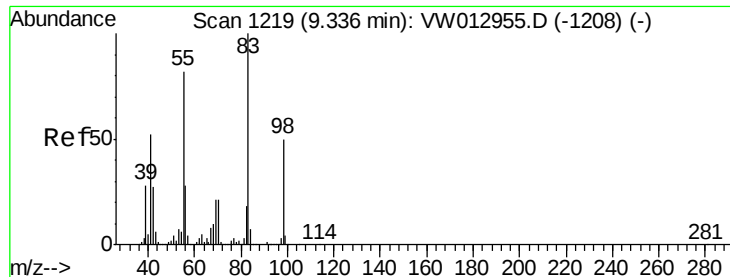
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.973 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	79.4	119.0
121	33.2	24.6	36.8





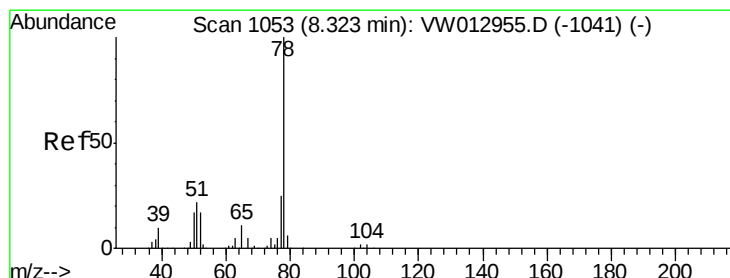
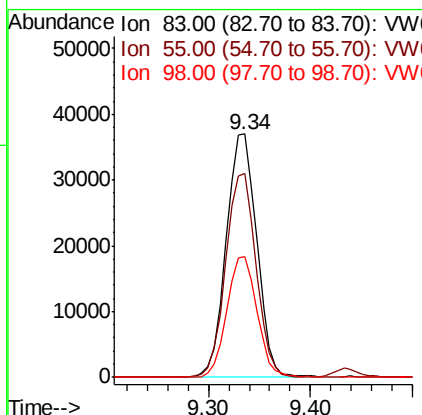
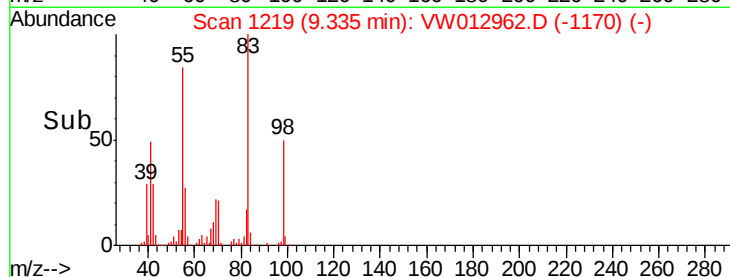
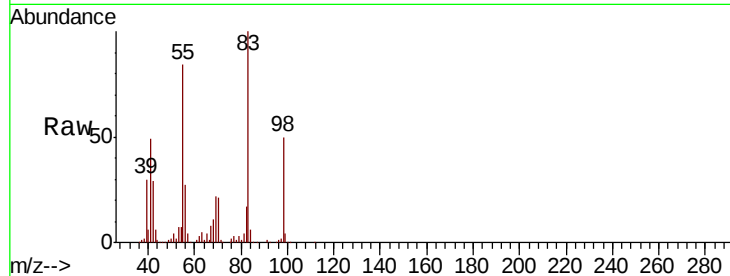
#39
Methylcyclohexane
Concen: 20.458 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	76695		
55	83.4	65.9	98.9	
98	49.6	39.6	59.4	

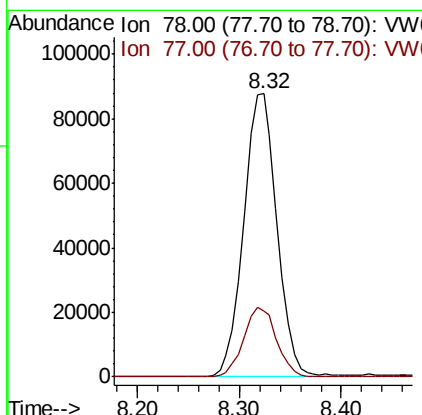
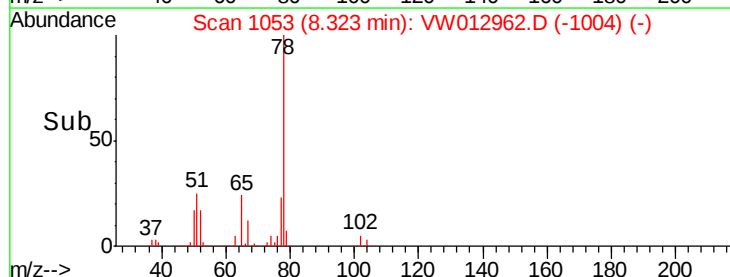
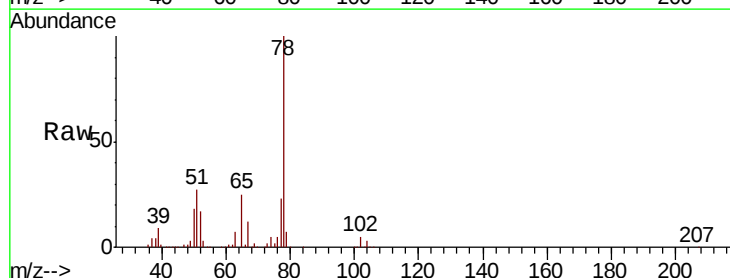
Manual Integrations
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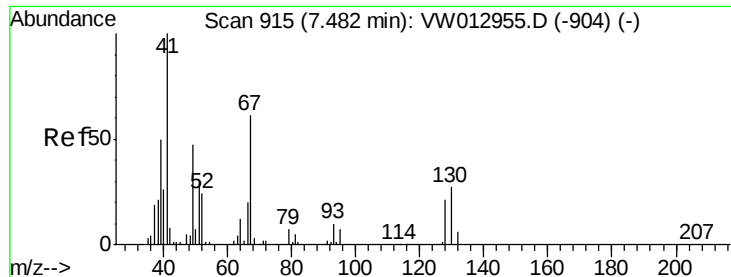
MMDadoda
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#40
Benzene
Concen: 20.829 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	198926		
77	23.2	19.6	29.4	





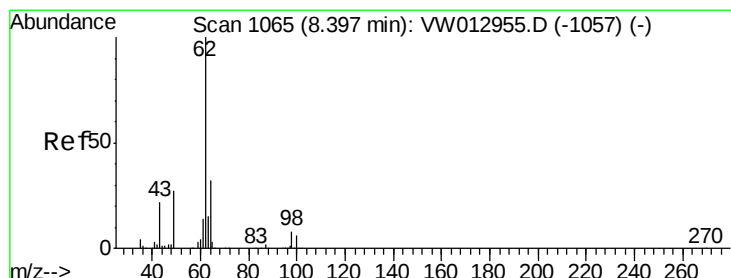
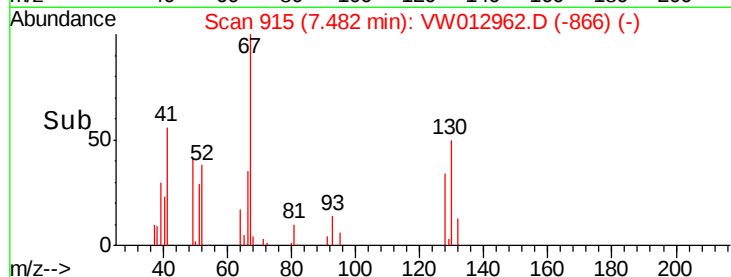
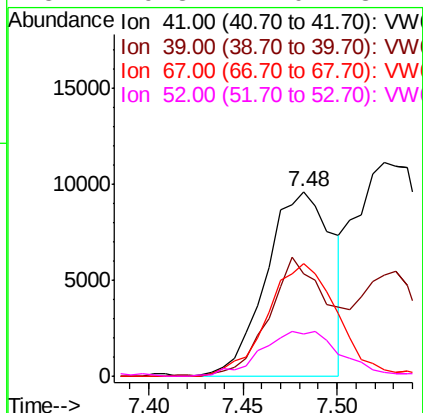
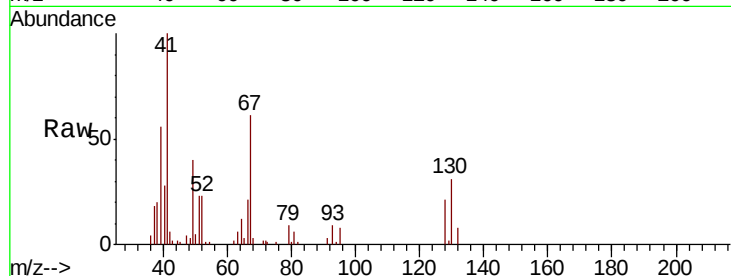
#41
Methacrylonitrile
Concen: 19.667 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	48.2	72.4
67	64.6	47.5	71.3
52	29.3	21.0	31.4

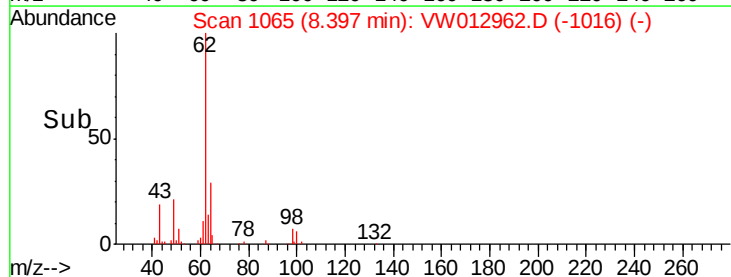
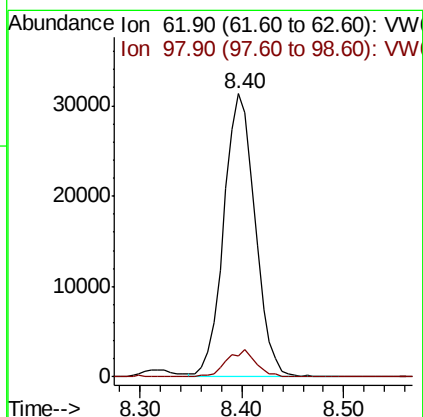
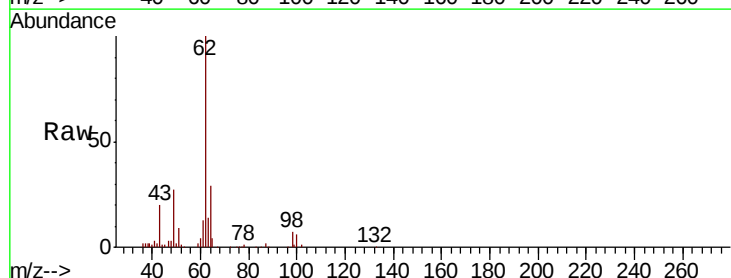
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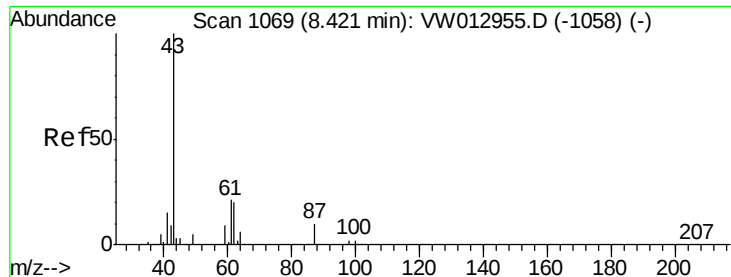
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.808 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.8





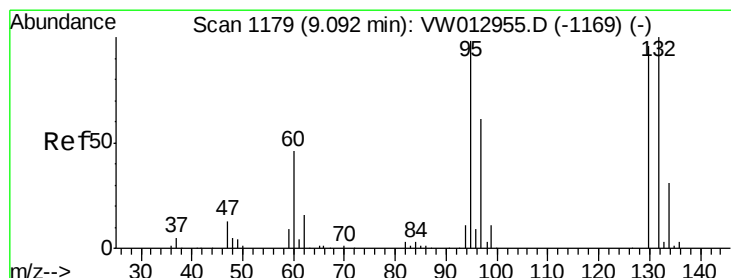
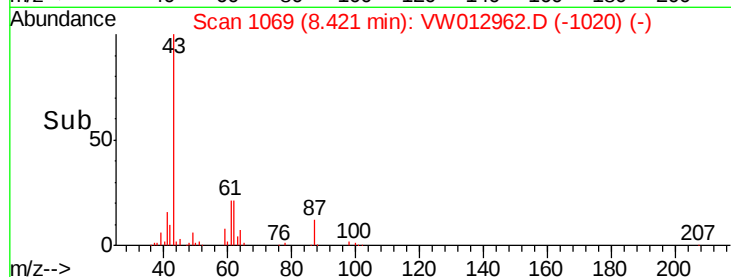
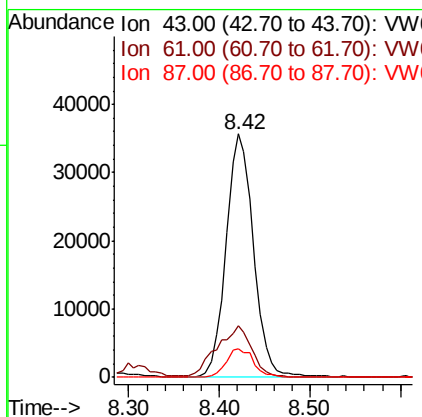
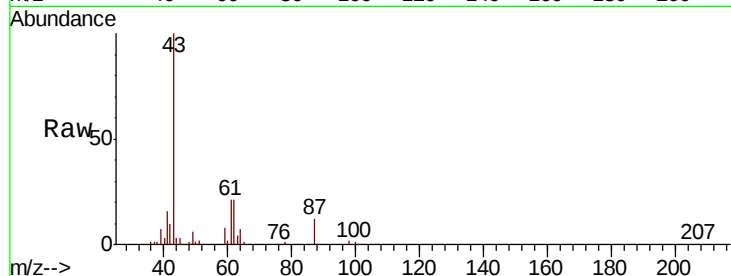
#43
Isopropyl Acetate
Concen: 21.513 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.1	22.7	34.1
87	11.8	9.4	14.2

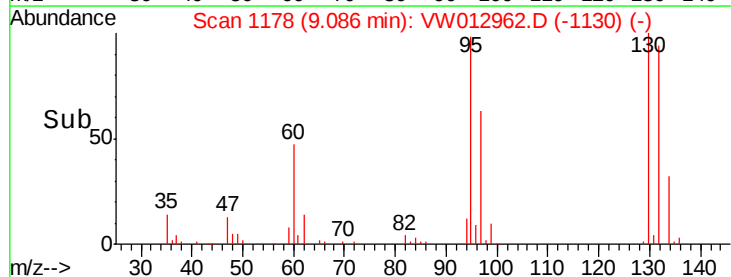
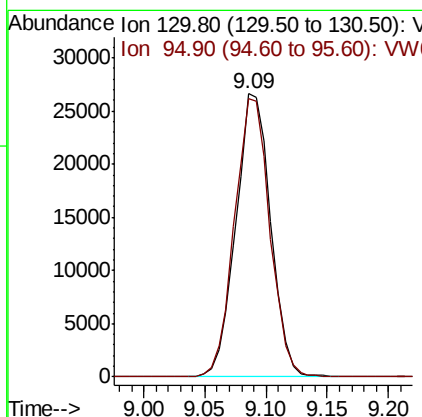
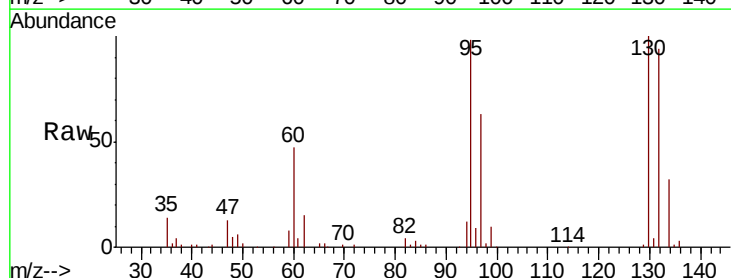
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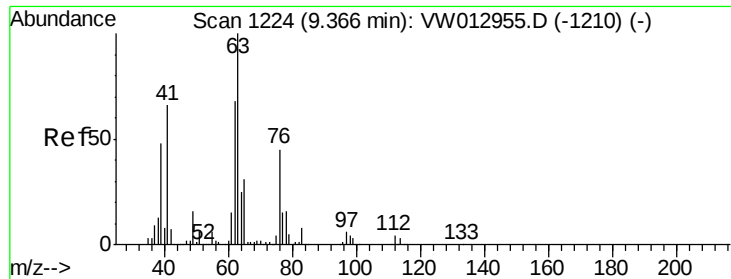
MMDadoda
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#44
Trichloroethene
Concen: 20.059 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	204.4





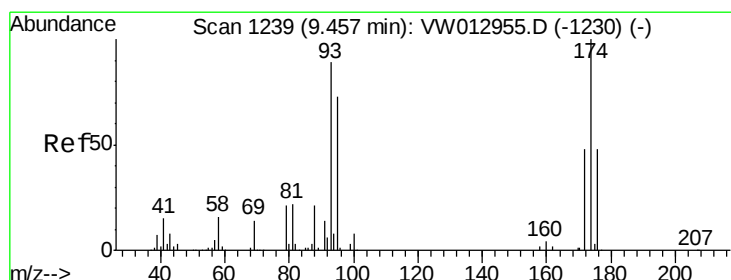
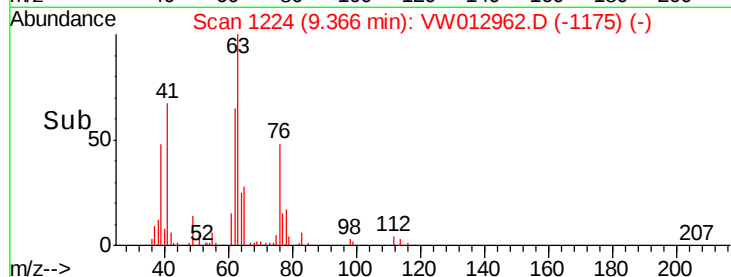
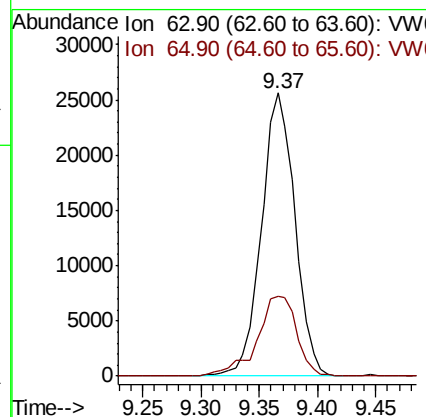
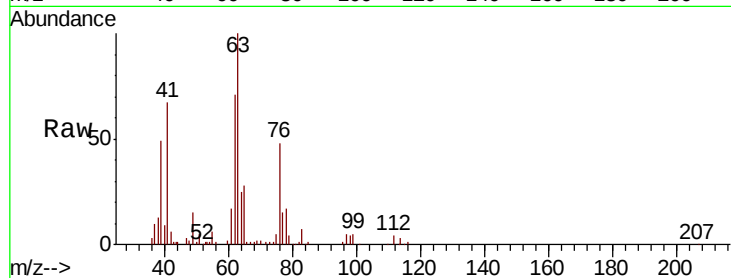
#45
 1,2-Dichloropropane
 Concen: 20.250 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion: 63 Resp: 51384
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.6 37.0

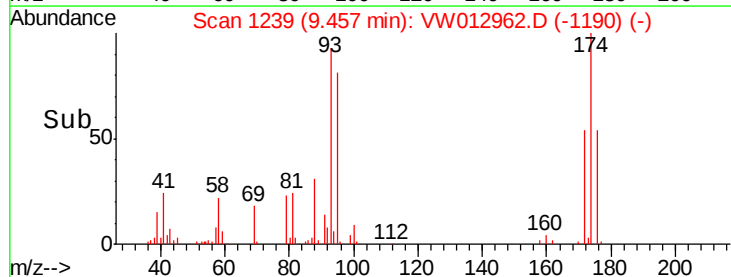
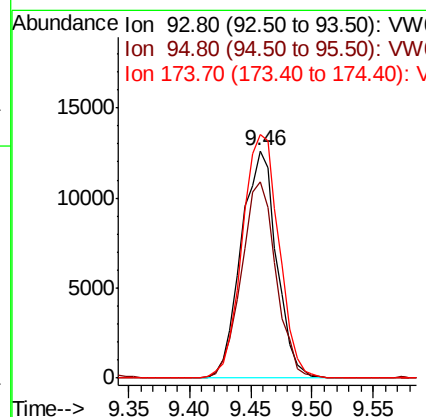
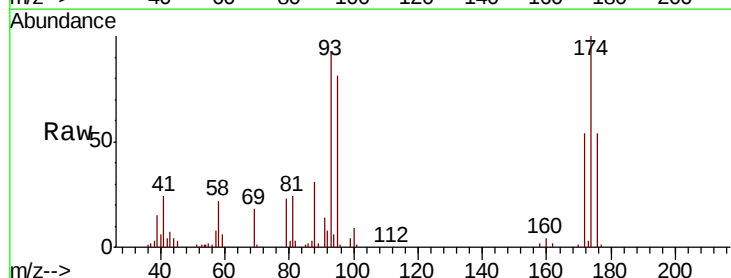
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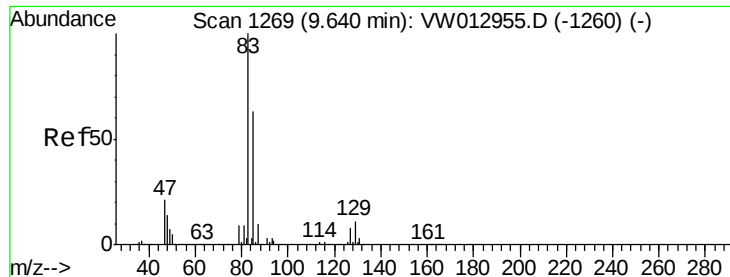
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 9/16/2019 12:43:49 AM



#46
 Dibromomethane
 Concen: 20.842 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion: 93 Resp: 25338
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.0 100.4
 174 111.0 90.5 135.7





#47

Bromodichloromethane

Concen: 20.325 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

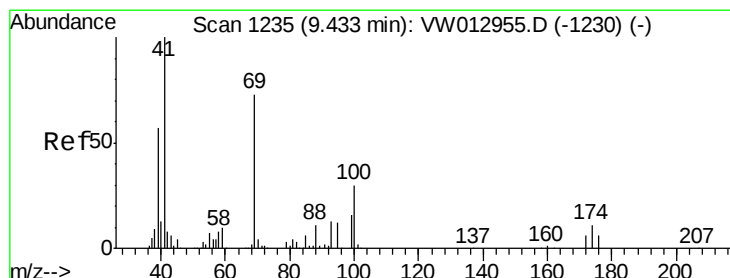
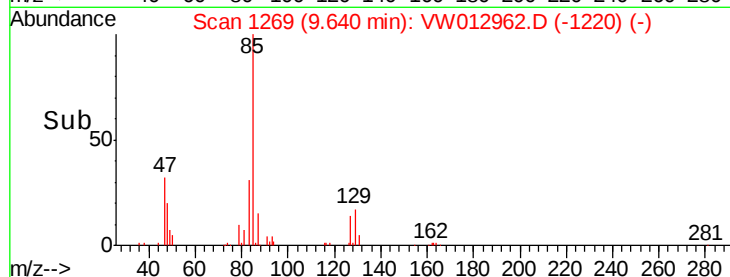
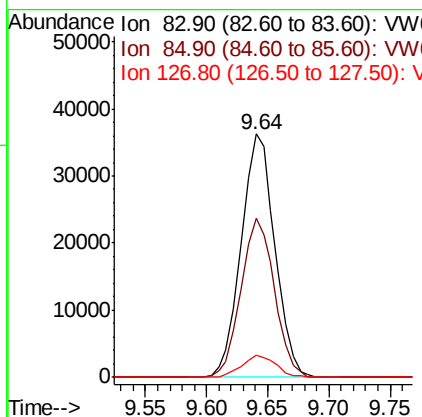
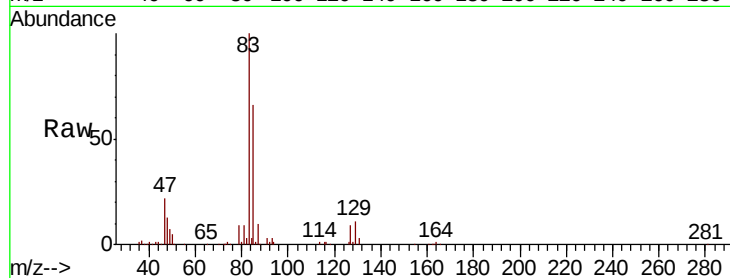
ClientSampleId :

VW0914SBS01

Tgt Ion:	83	Resp:	69310
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.6	75.8
127	9.0	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.927 ug/l

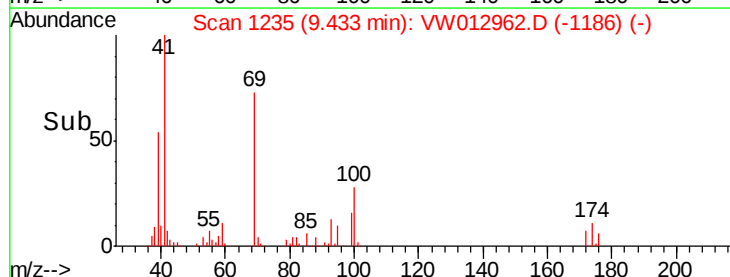
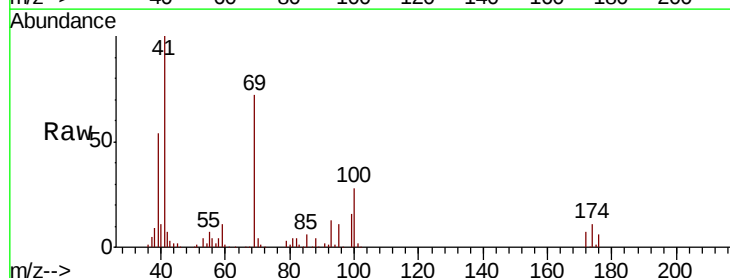
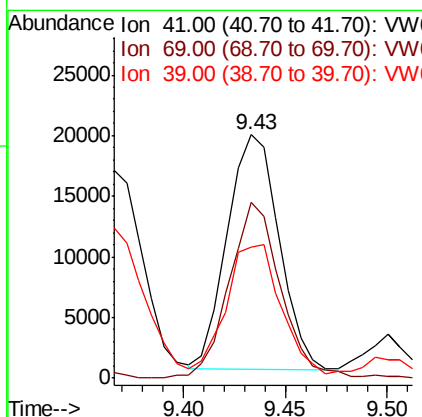
RT: 9.43 min Scan# 1235

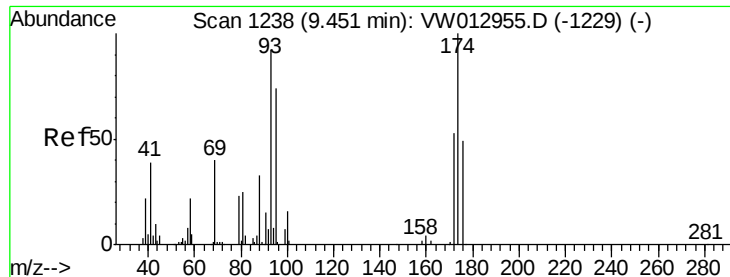
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	41	Resp:	34243
Ion Ratio	Lower	Upper	
41	100		
69	74.7	62.8	94.2
39	62.2	48.5	72.7





#49

1,4-Dioxane

Concen: 449.669 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

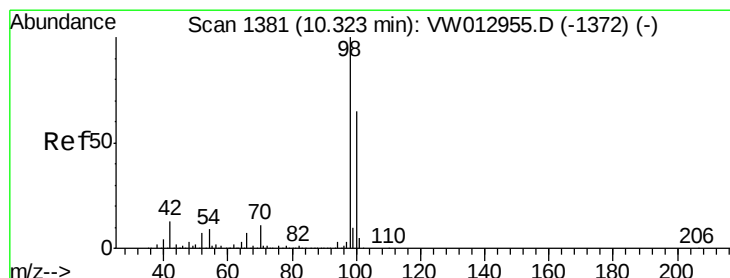
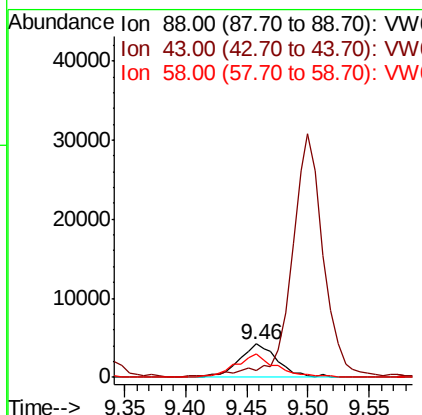
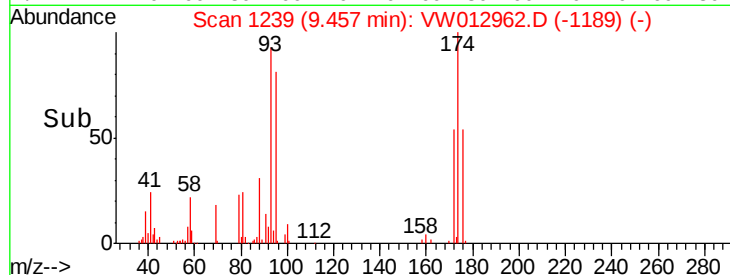
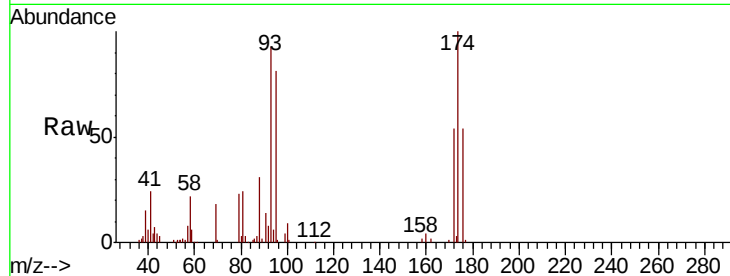
ClientSampleId :

VW0914SBS01

Tgt Ion:	88	Resp:	9160
Ion Ratio	Lower	Upper	
88	100		
43	0.0	31.3	46.9#
58	75.5	60.2	90.2

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#50

Toluene-d8

Concen: 51.687 ug/l

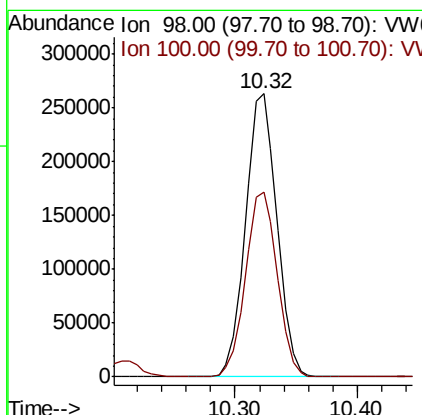
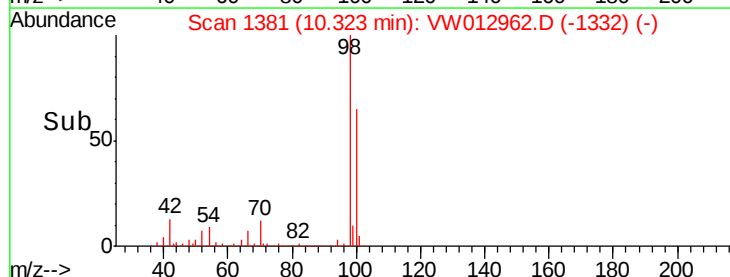
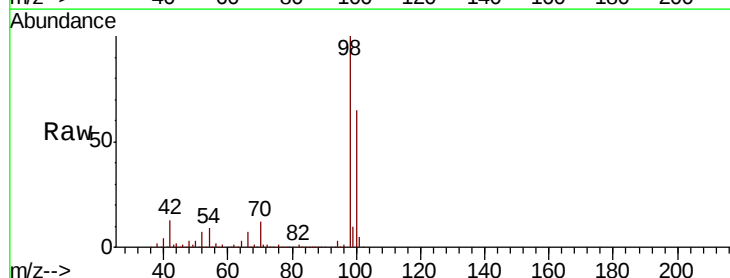
RT: 10.32 min Scan# 1381

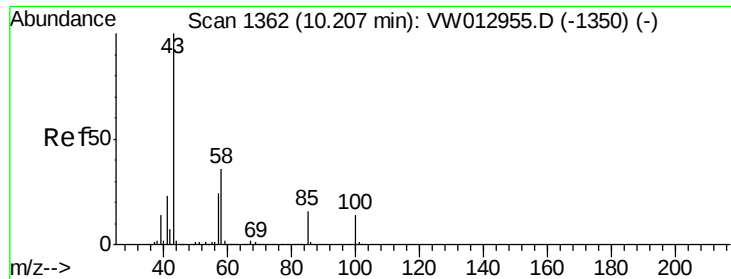
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	98	Resp:	469861
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 105.594 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 43 Resp: 190075

Ion Ratio Lower Upper

43 100

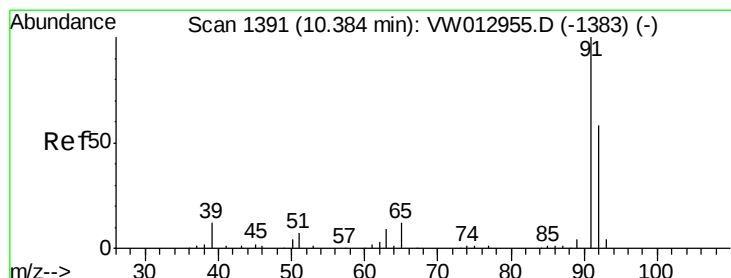
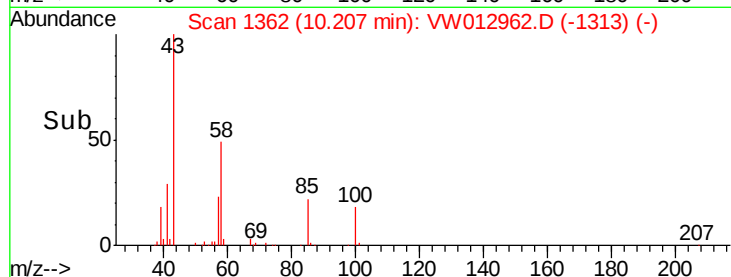
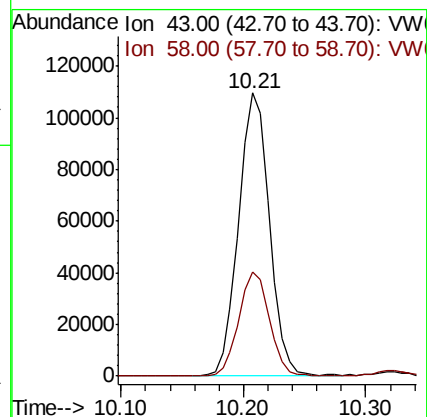
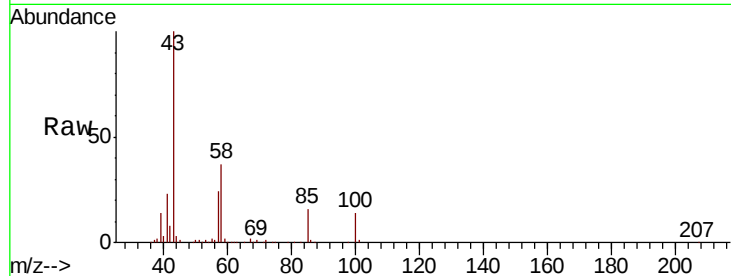
58 36.9 29.5 44.3

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#52

Toluene

Concen: 20.288 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012962.D

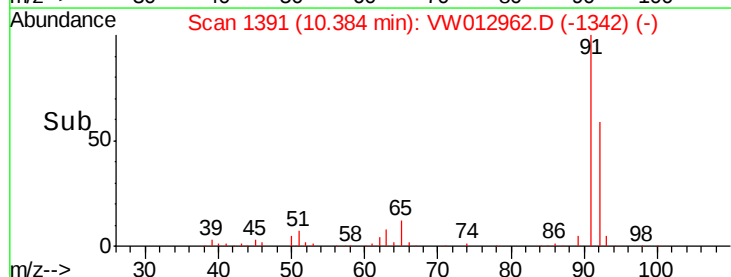
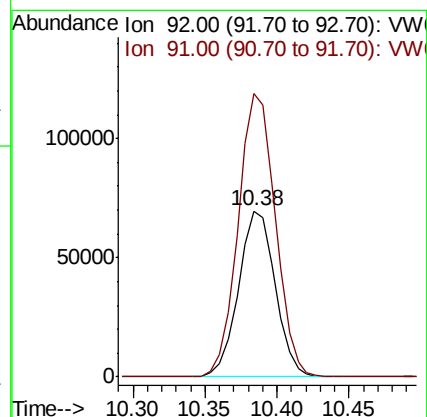
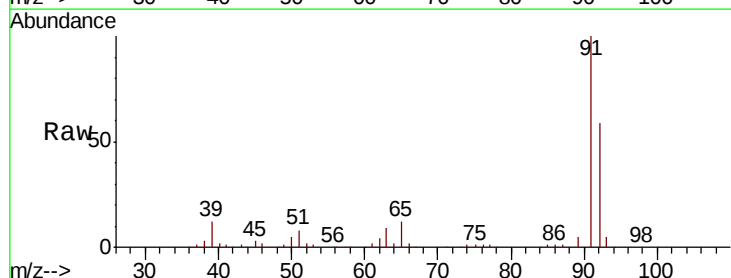
Acq: 13 Sep 2019 19:40

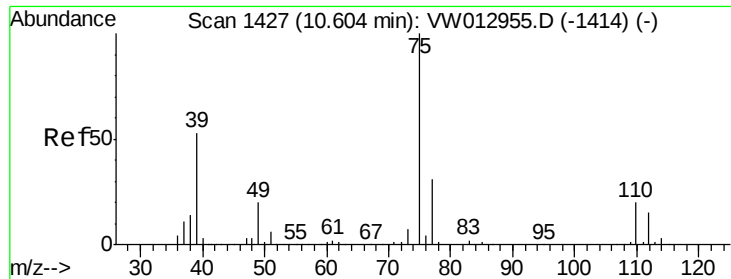
Tgt Ion: 92 Resp: 123127

Ion Ratio Lower Upper

92 100

91 173.6 137.5 206.3





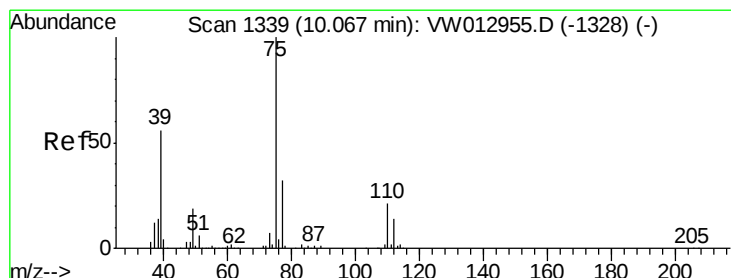
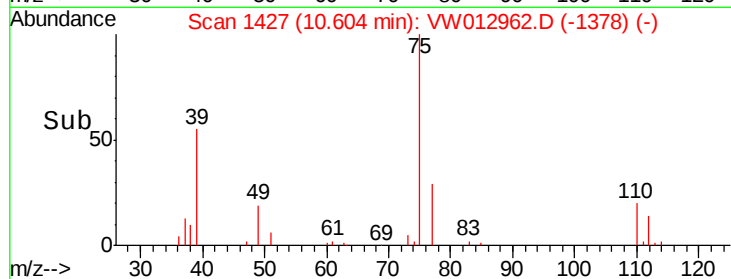
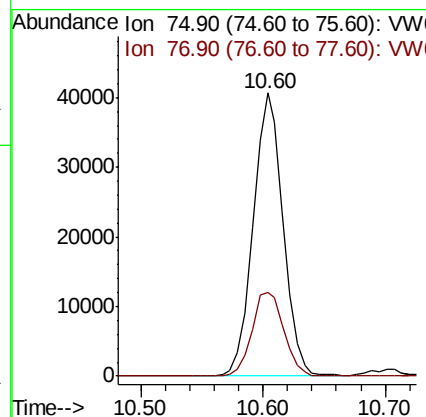
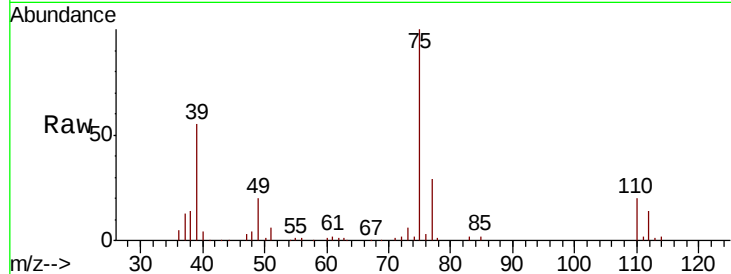
#53
 t-1,3-Dichloropropene
 Concen: 20.126 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion: 75 Resp: 69021
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.6 37.0

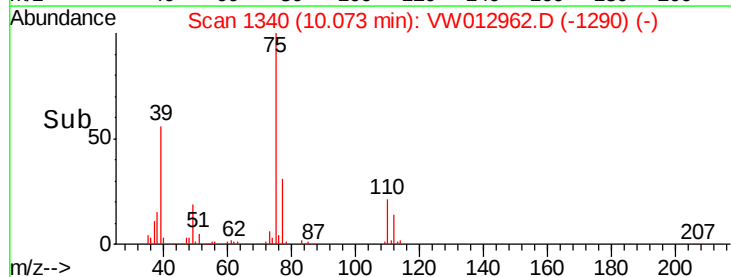
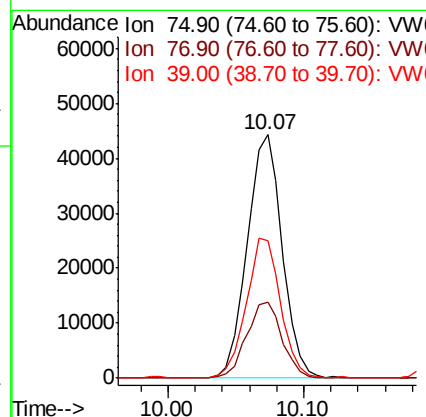
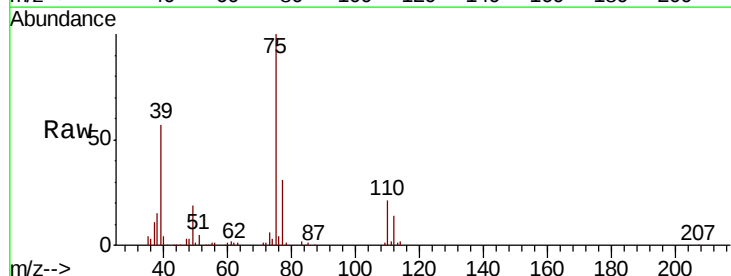
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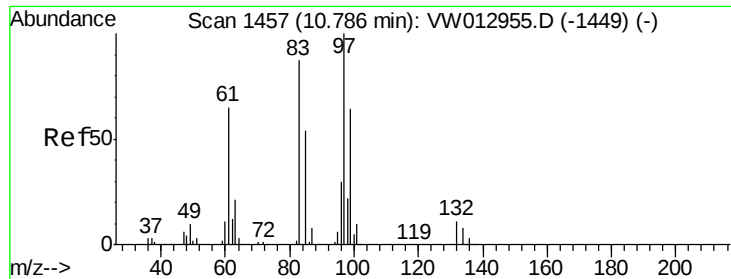
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#54
 cis-1,3-Dichloropropene
 Concen: 20.313 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion: 75 Resp: 79707
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3
 39 56.4 45.0 67.6





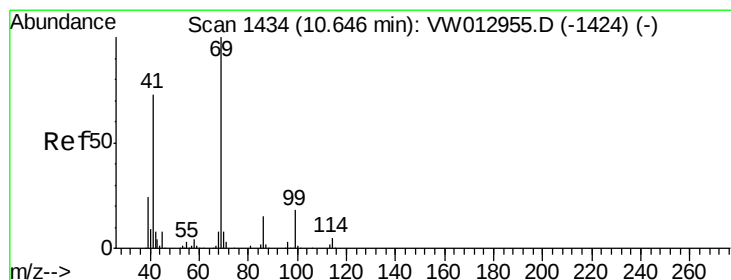
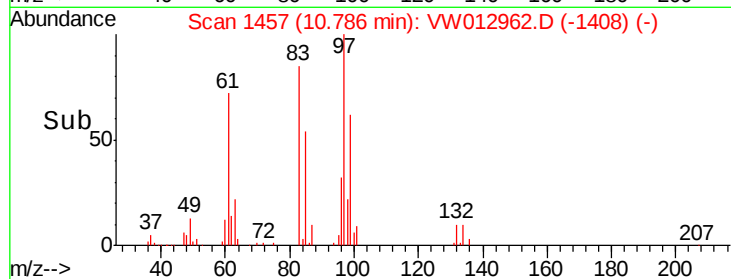
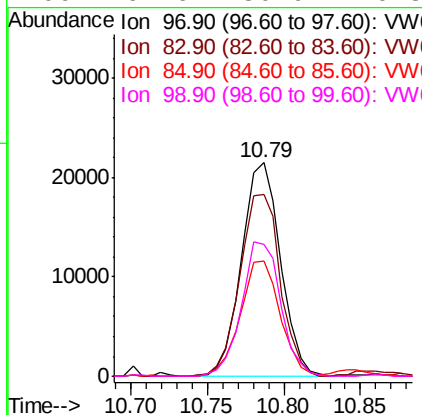
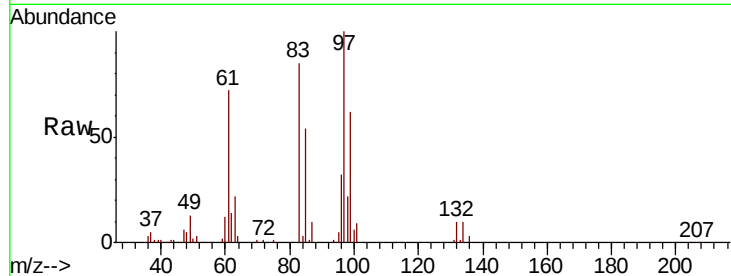
#55
 1,1,2-Trichloroethane
 Concen: 20.619 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	38187		
83	85.3	69.4	104.0	
85	53.9	43.3	64.9	
99	61.6	50.9	76.3	

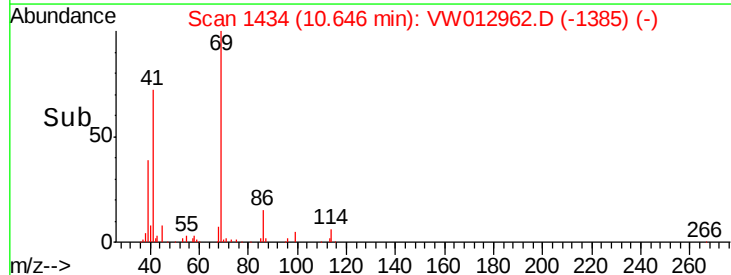
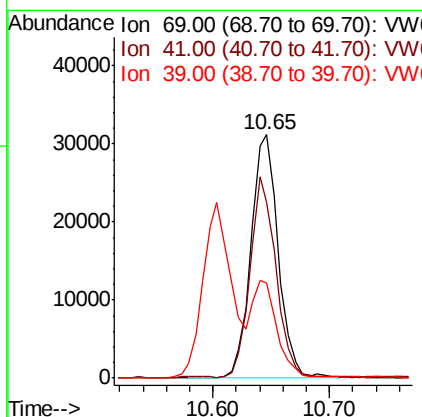
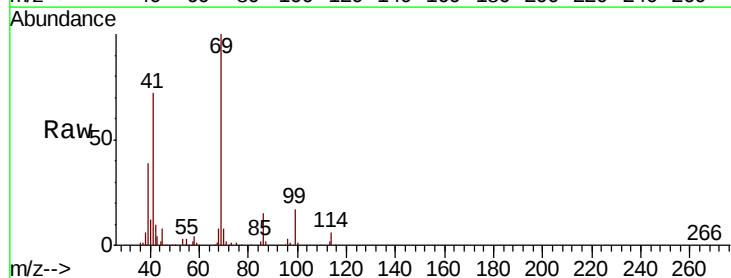
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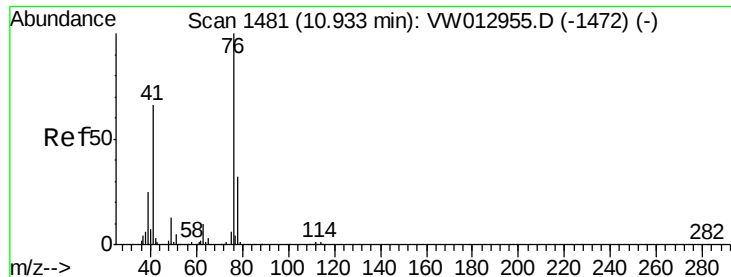
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#56
 Ethyl methacrylate
 Concen: 20.448 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	50974		
41	78.8	60.8	91.2	
39	36.1	29.4	44.0	





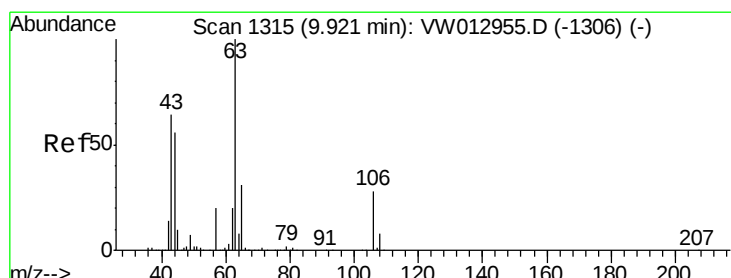
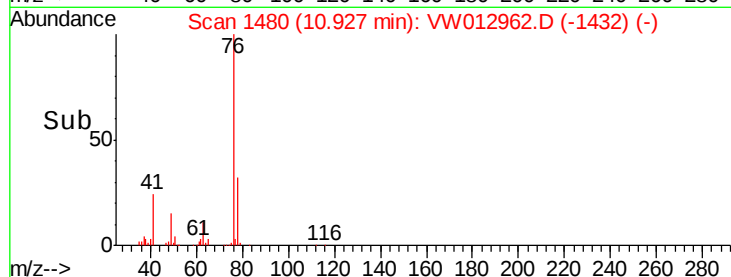
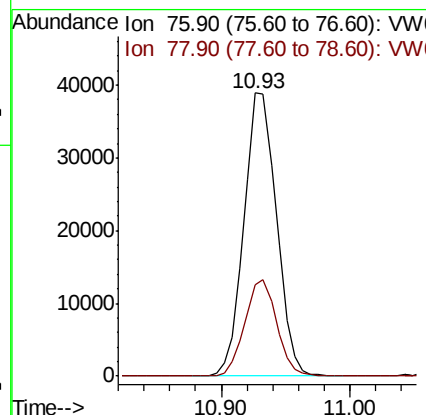
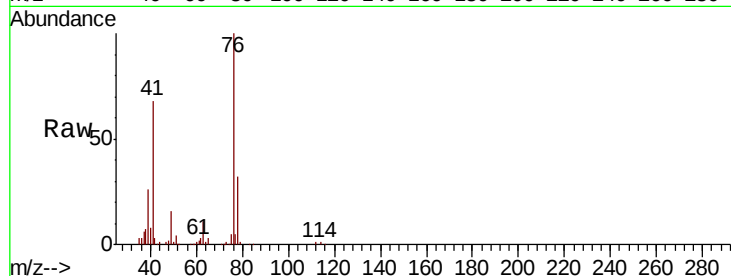
#57
 1,3-Dichloropropane
 Concen: 20.669 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion: 76 Resp: 67903
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.6 38.4

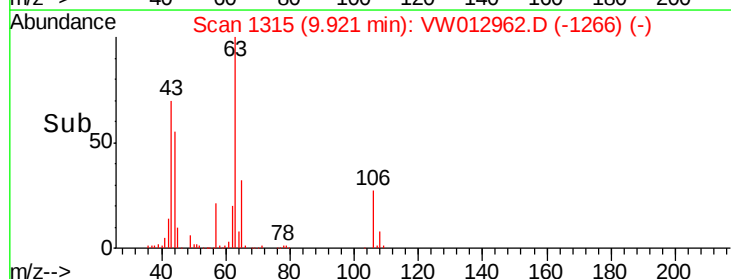
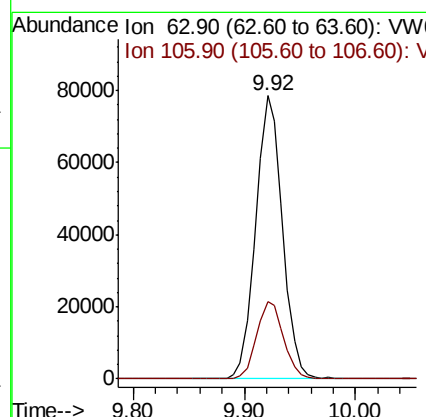
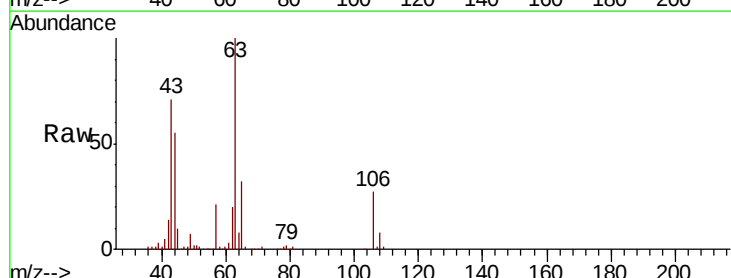
Manual Integrations
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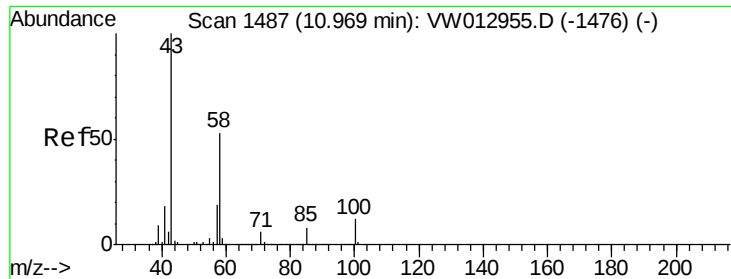
MMDadoda
 9/16/2019 12:43:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.233 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion: 63 Resp: 131359
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2





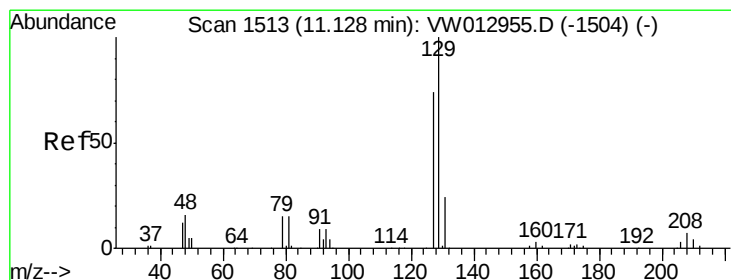
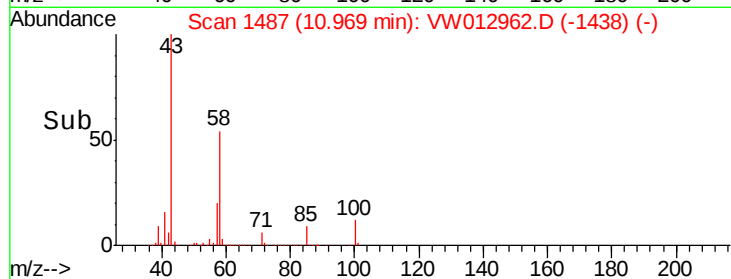
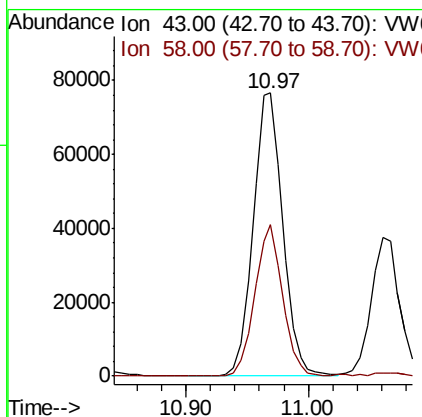
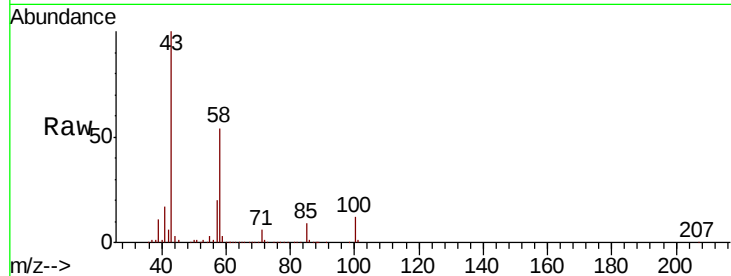
#59
2-Hexanone
Concen: 103.361 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion: 43 Resp: 12952
Ion Ratio Lower Upper
43 100
58 50.3 25.8 77.3

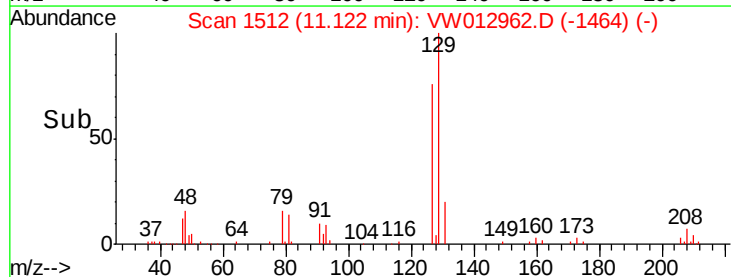
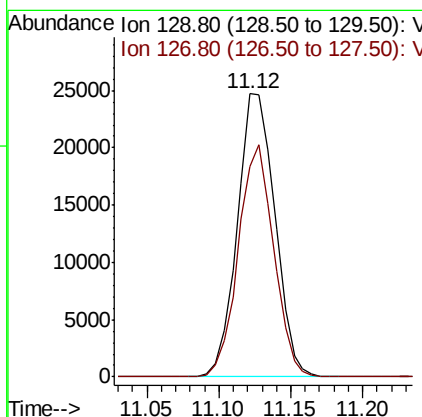
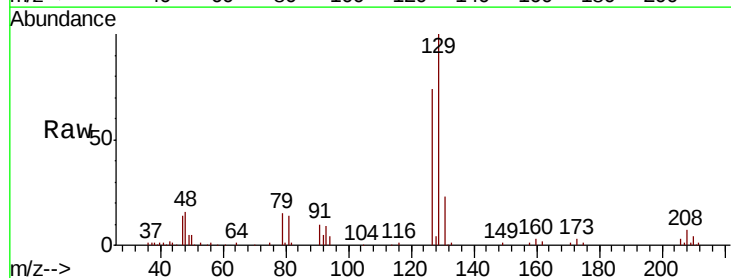
Manual Integrations
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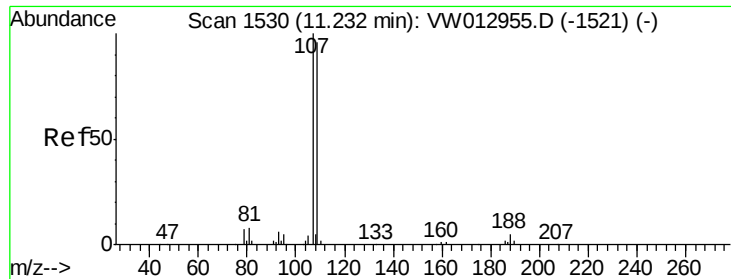
MMDadoda
9/16/2019 12:43:49 AM



#60
Dibromochloromethane
Concen: 20.008 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion: 129 Resp: 44798
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.2





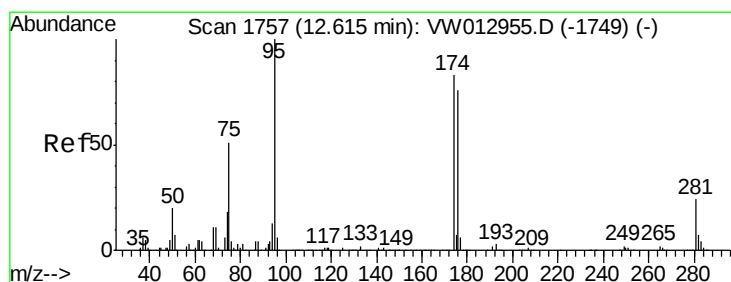
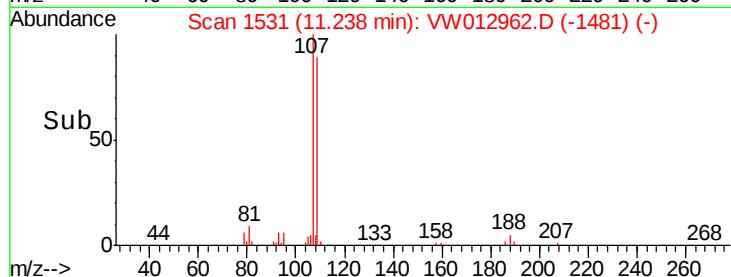
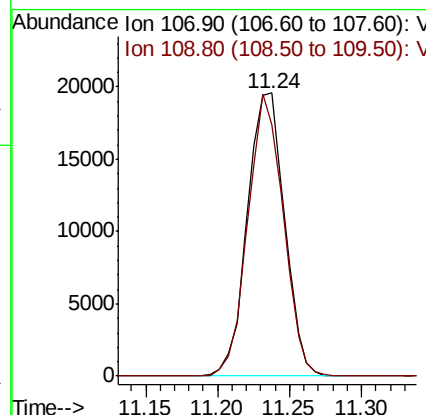
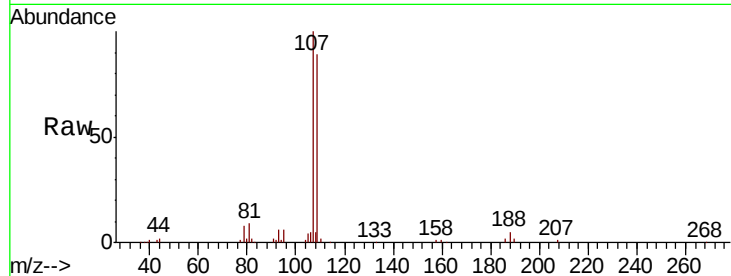
#61
 1,2-Dibromoethane
 Concen: 20.714 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion: 107 Resp: 34996
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6

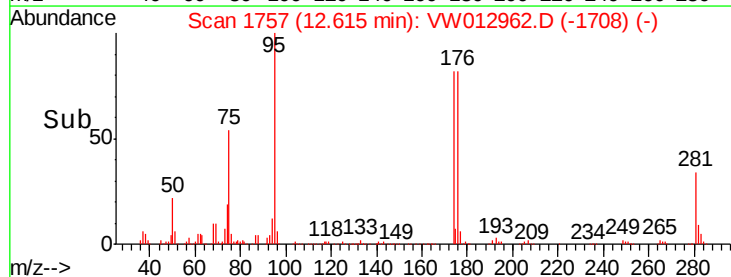
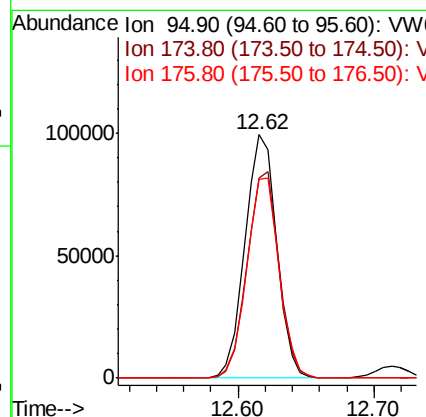
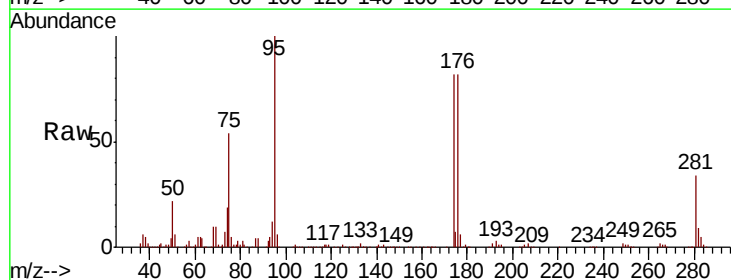
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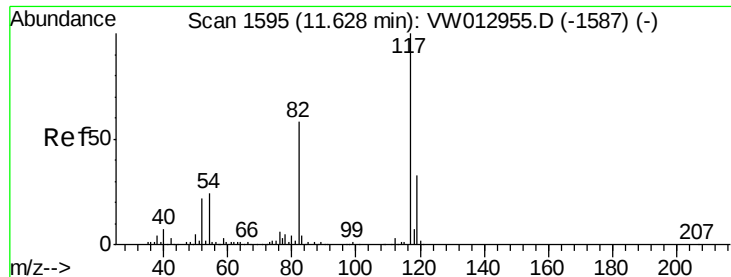
MMDadoda
 9/16/2019 12:43:49 AM



#62
 4-Bromofluorobenzene
 Concen: 49.646 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion: 95 Resp: 162280
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 170.4
 176 83.7 0.0 164.6





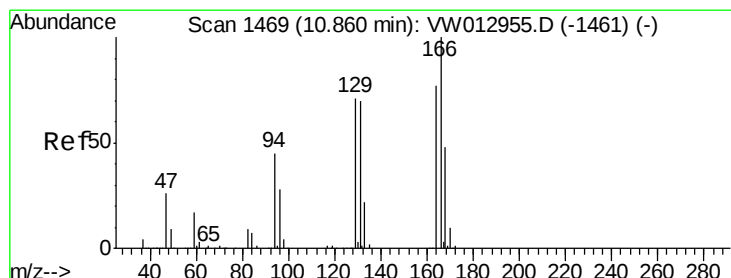
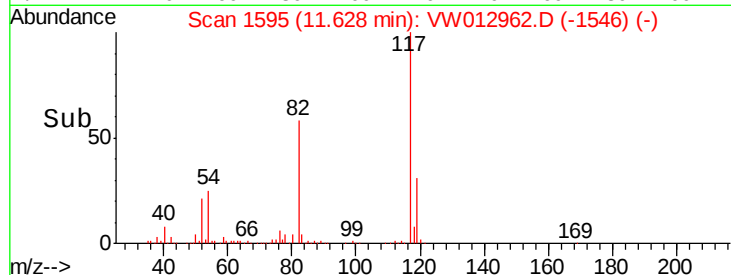
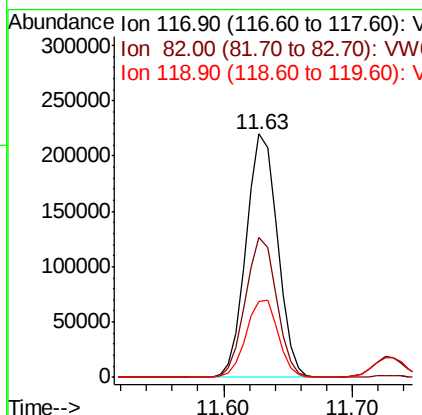
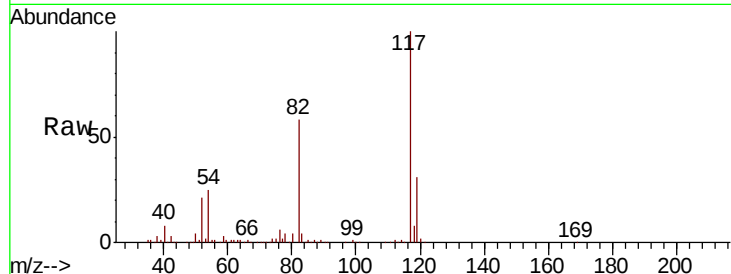
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	57.6	46.3	69.5
119	31.4	26.2	39.4

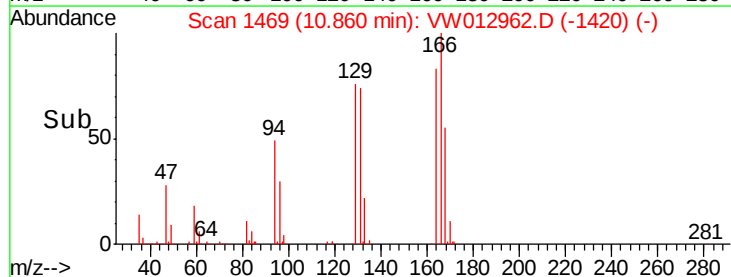
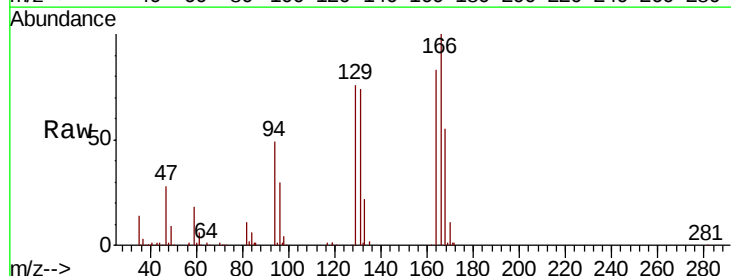
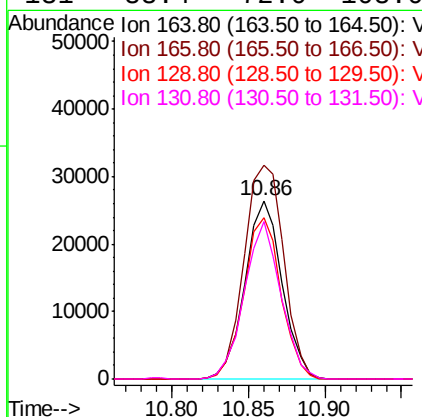
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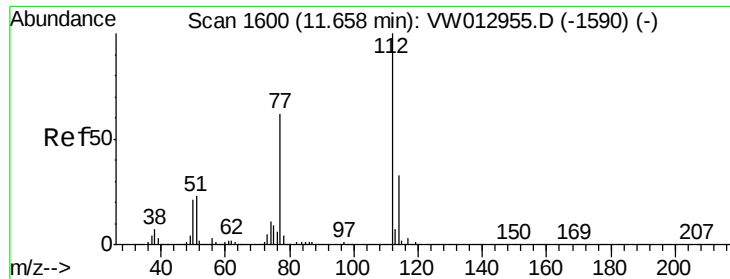
MMDadoda
9/16/2019 12:43:49 AM



#64
Tetrachloroethene
Concen: 20.206 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	119.9	103.3	154.9
129	90.9	73.8	110.8
131	88.4	72.0	108.0





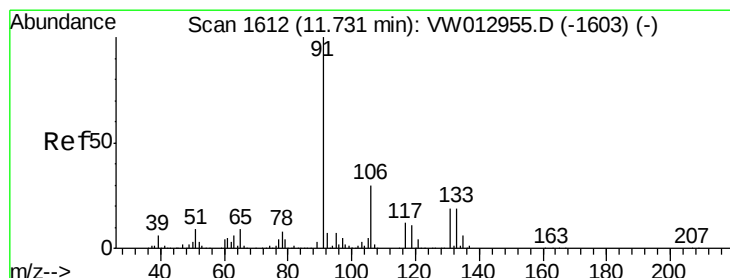
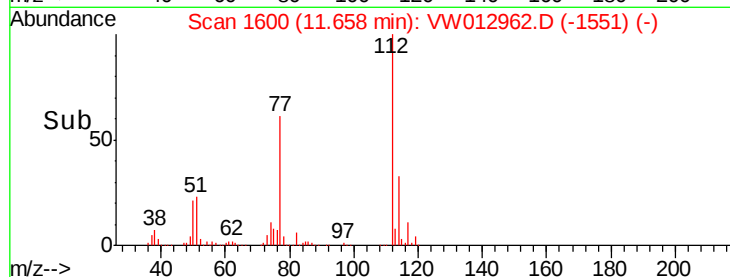
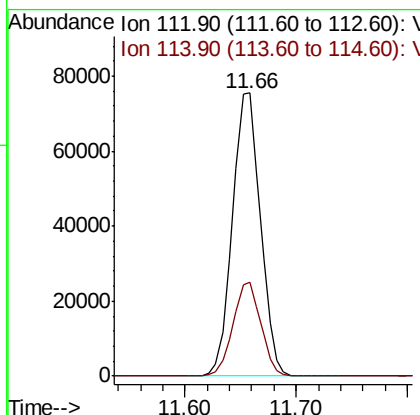
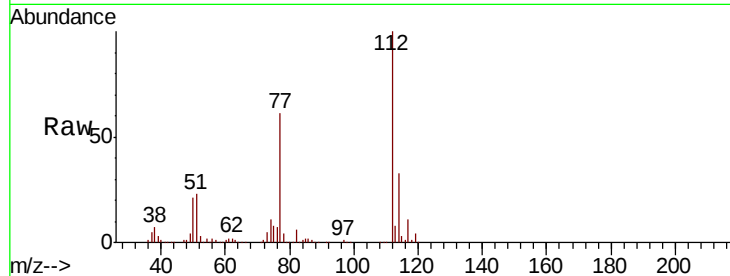
#65
Chlorobenzene
Concen: 19.986 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	131581		
114	33.2	26.4	39.6	

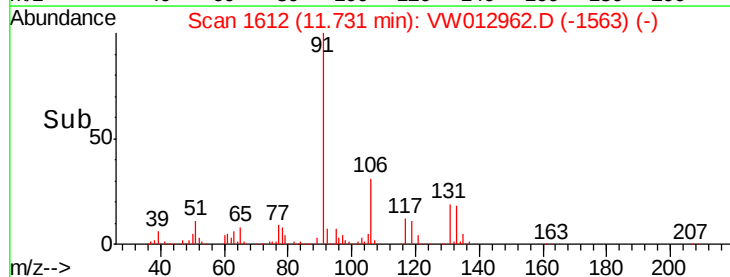
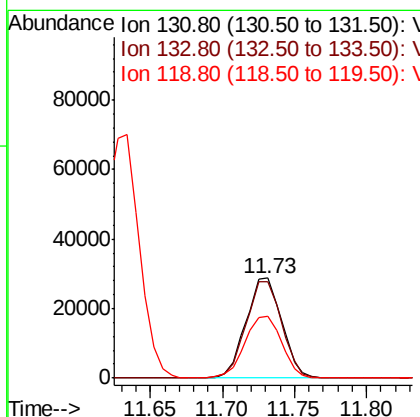
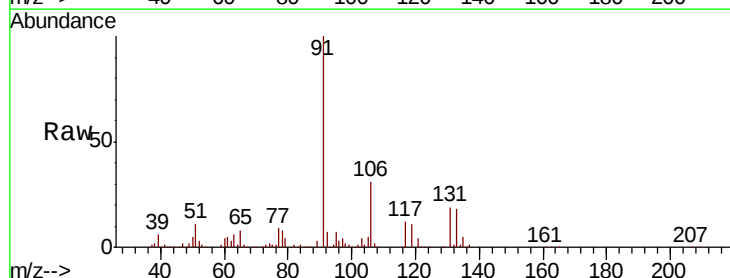
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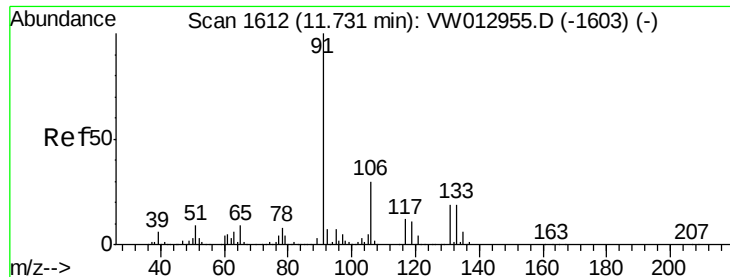
MMDadoda
9/16/2019 12:43:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.664 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	49612		
133	96.4	47.9	143.8	
119	63.6	30.9	92.7	





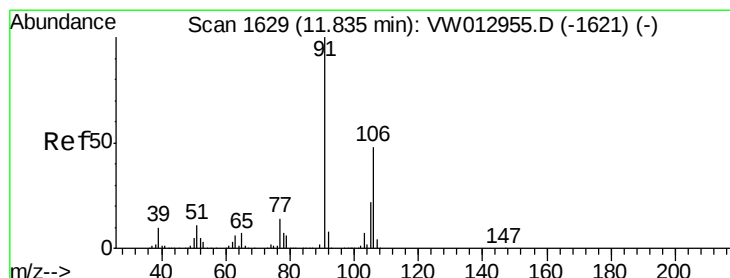
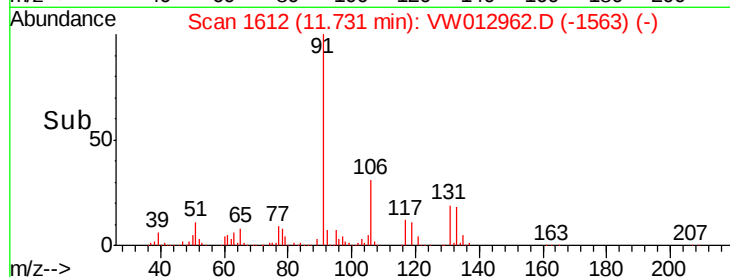
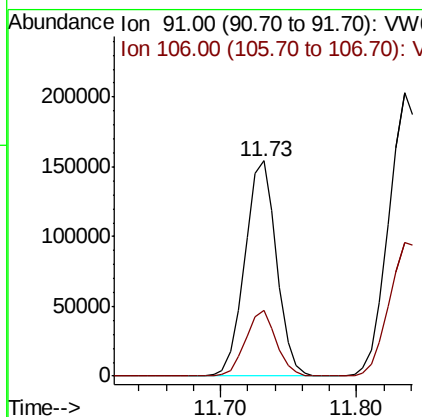
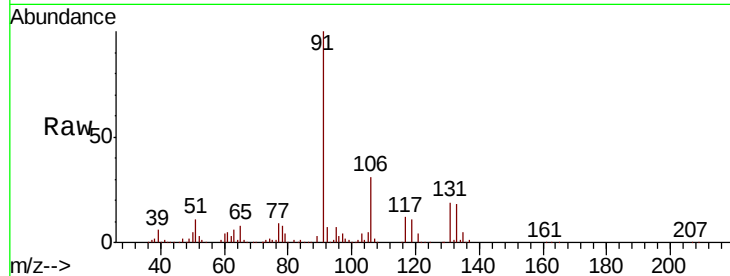
#67
Ethyl Benzene
Concen: 20.626 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion: 91 Resp: 250790
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

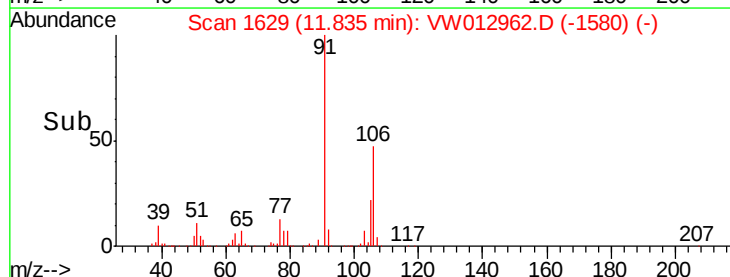
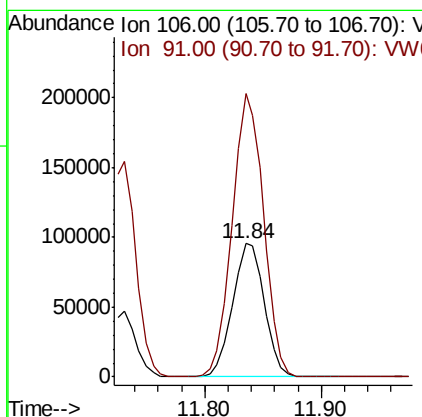
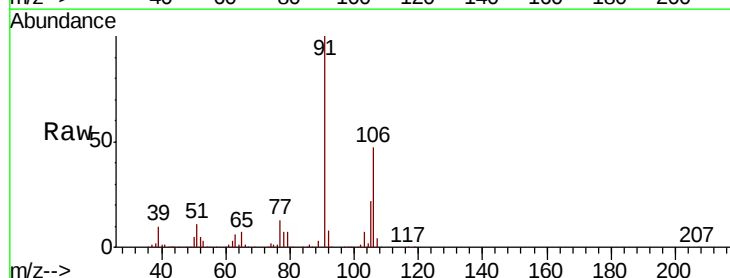
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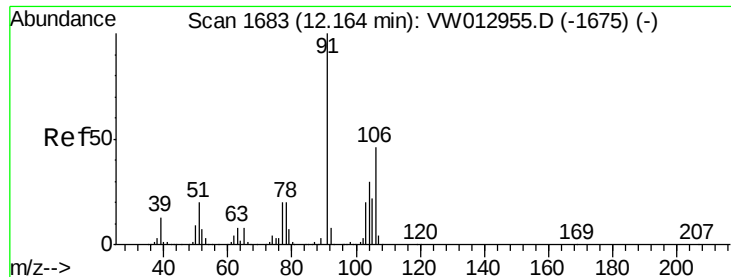
MMDadoda
9/16/2019 12:43:49 AM



#68
m/p-Xylenes
Concen: 40.697 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion: 106 Resp: 180770
Ion Ratio Lower Upper
106 100
91 210.7 165.8 248.8





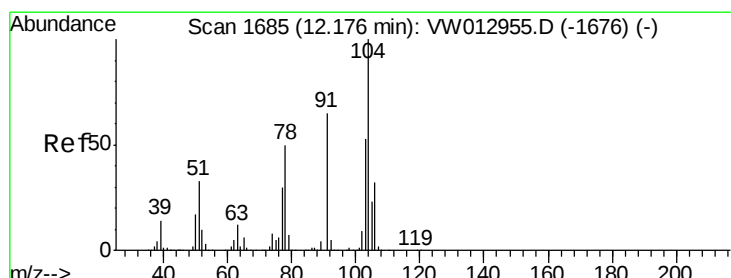
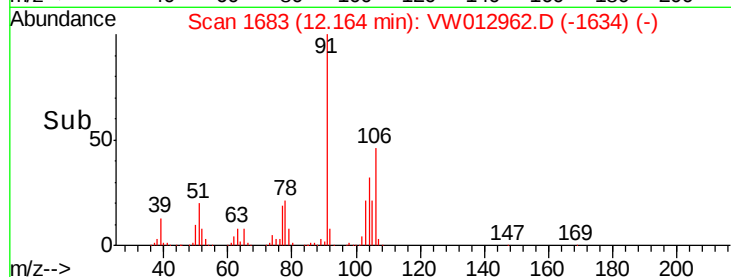
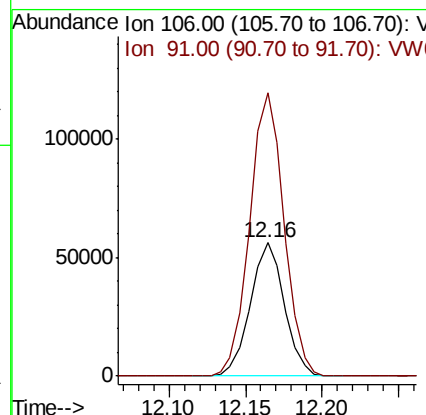
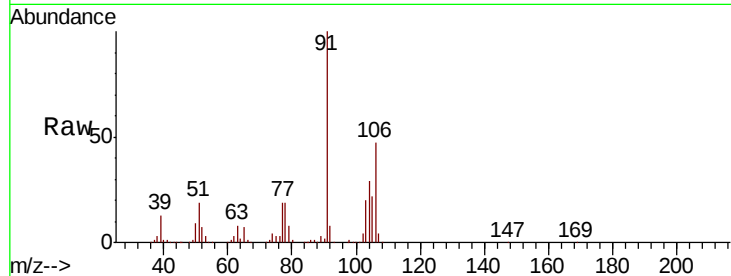
#69
o-Xylene
Concen: 20.866 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion:106 Resp: 86894
Ion Ratio Lower Upper
106 100
91 214.9 109.7 329.0

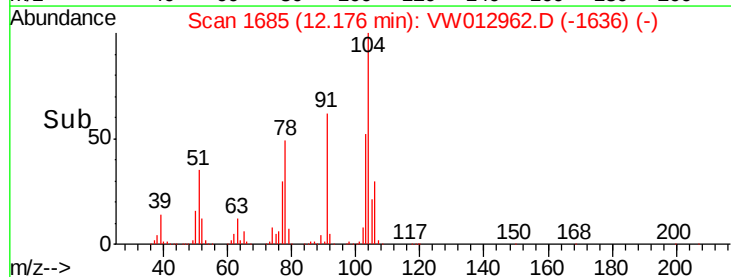
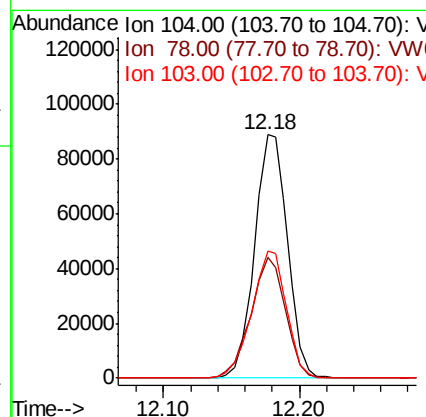
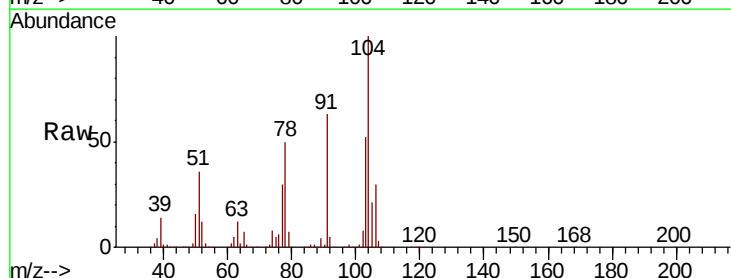
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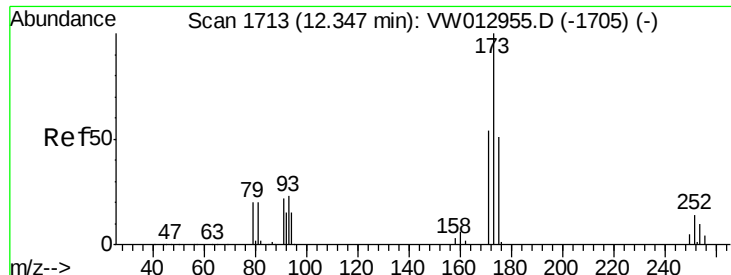
MMDadoda
9/16/2019 12:43:49 AM



#70
Styrene
Concen: 20.372 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion:104 Resp: 150913
Ion Ratio Lower Upper
104 100
78 52.5 42.1 63.1
103 55.0 44.2 66.4





#71

Bromoform

Concen: 20.388 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

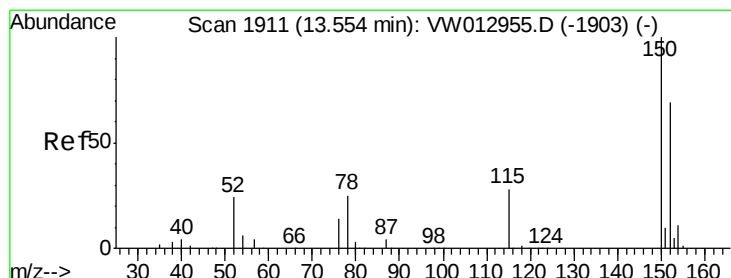
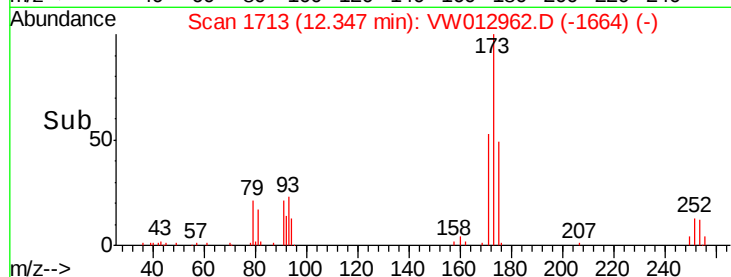
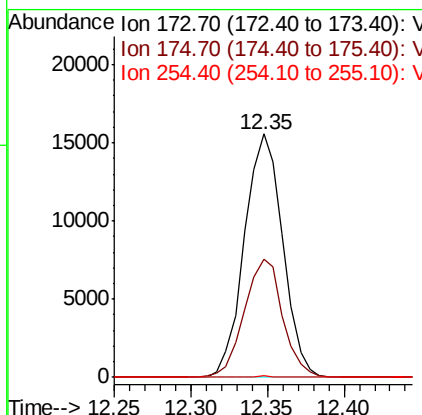
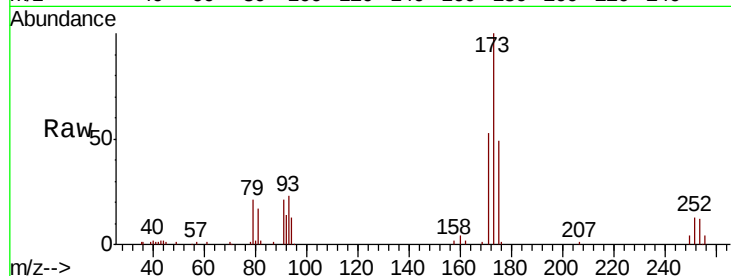
ClientSampleId :

VW0914SBS01

Tgt Ion:	173	Resp:	27019
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.2	72.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

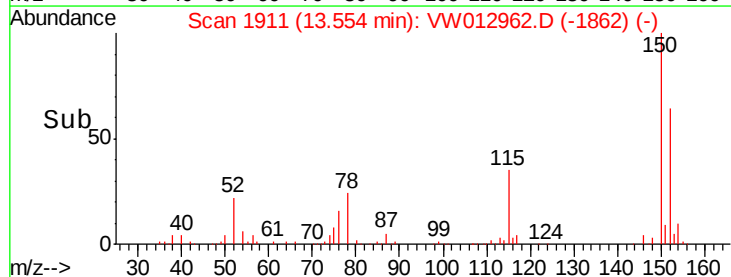
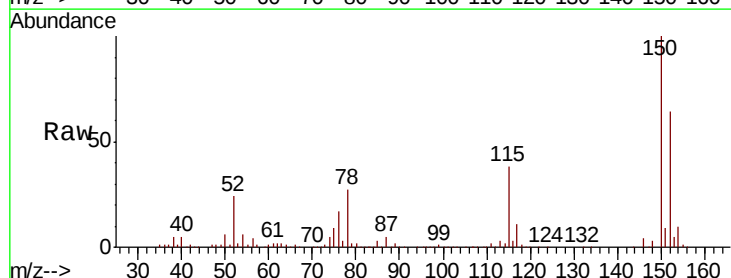
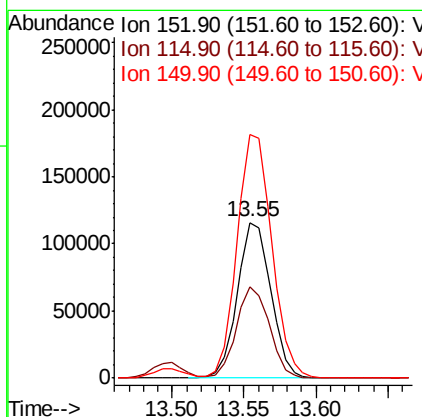
RT: 13.55 min Scan# 1911

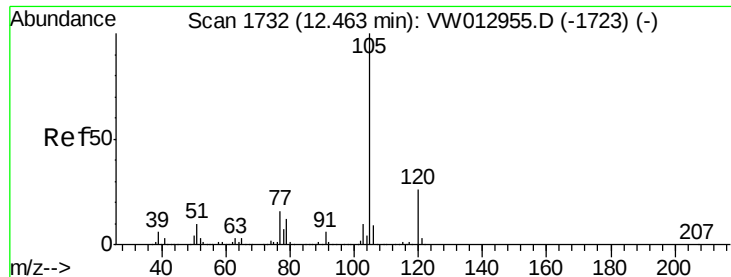
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	152	Resp:	186721
Ion Ratio	Lower	Upper	
152	100		
115	58.3	28.8	86.4
150	163.6	0.0	340.2





#73

Isopropylbenzene

Concen: 19.848 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 105 Resp: 245643

Ion Ratio Lower Upper

105 100

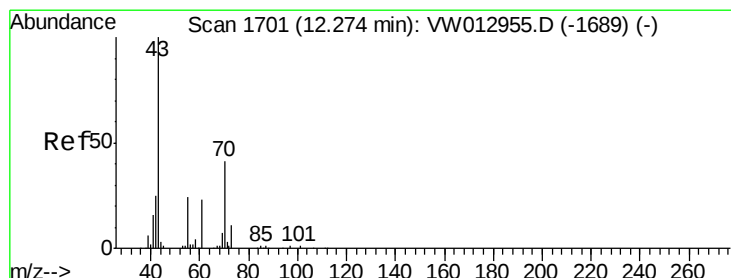
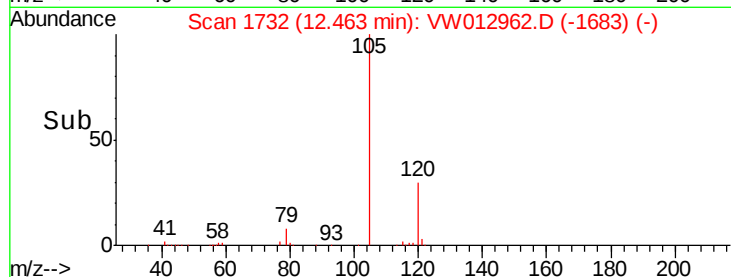
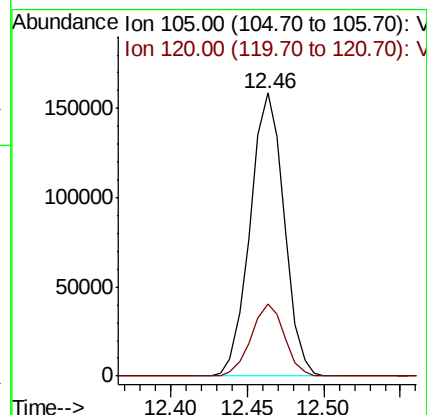
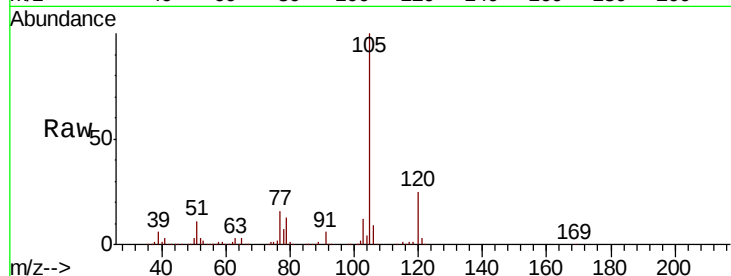
120 25.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.375 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion: 43 Resp: 64868

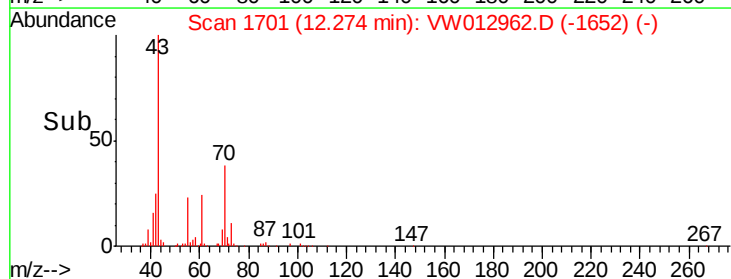
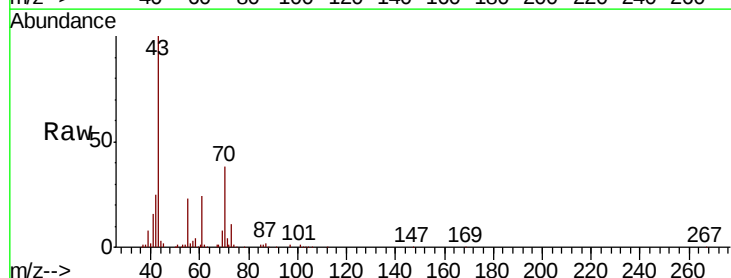
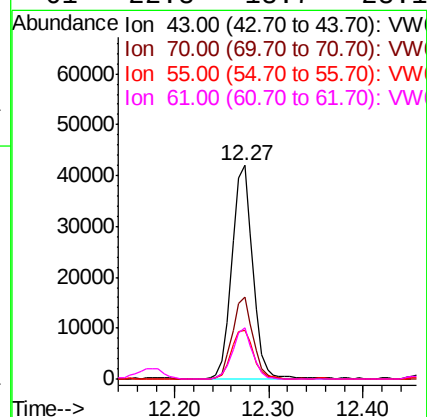
Ion Ratio Lower Upper

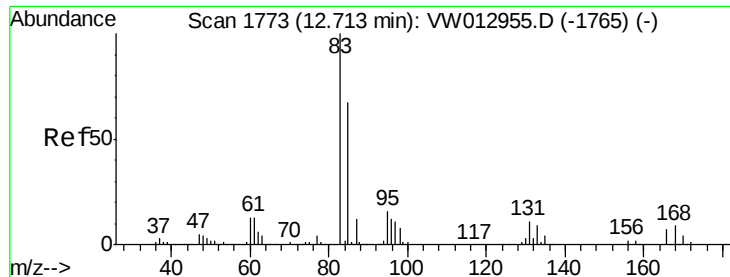
43 100

70 37.5 31.7 47.5

55 23.6 19.4 29.2

61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.178 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

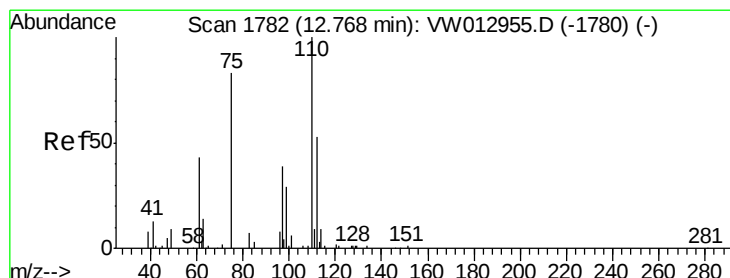
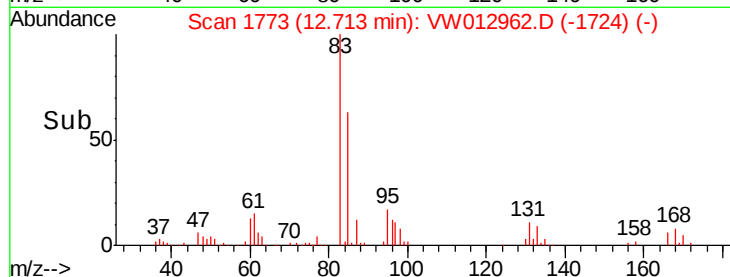
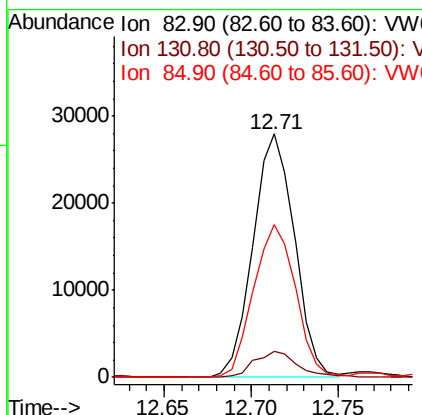
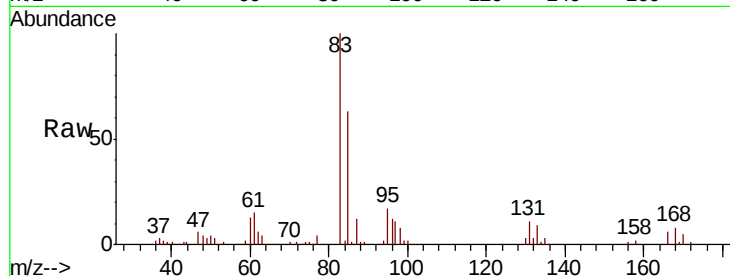
ClientSampleId :

VW0914SBS01

Tgt Ion:	83	Resp:	46035
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	63.8	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 21.959 ug/l m

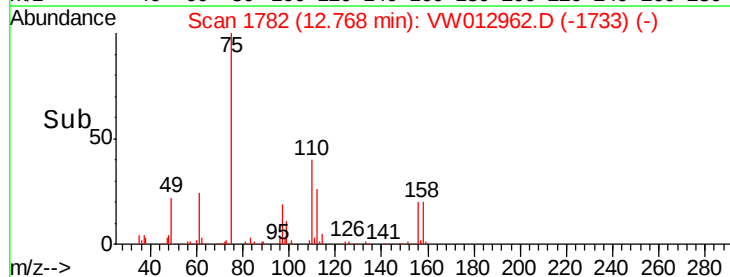
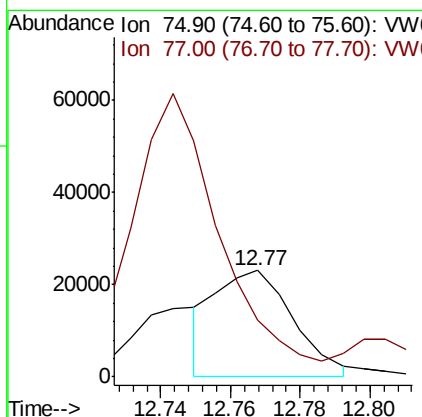
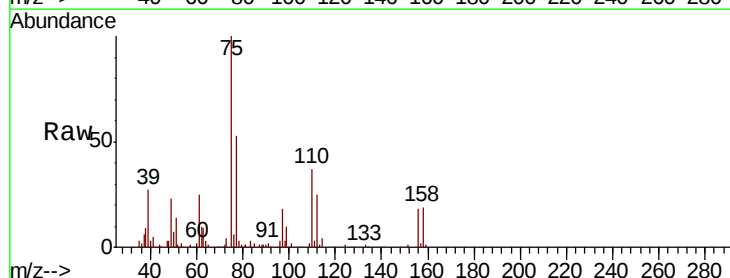
RT: 12.77 min Scan# 1782

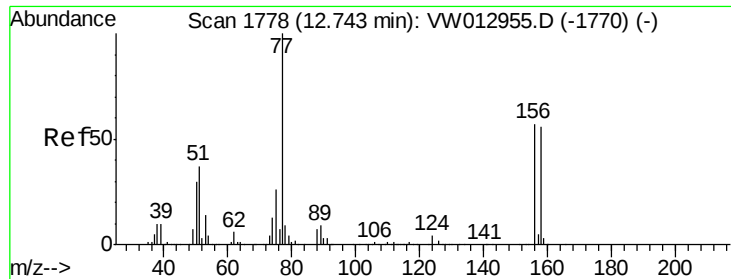
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	75	Resp:	35915
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.933 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

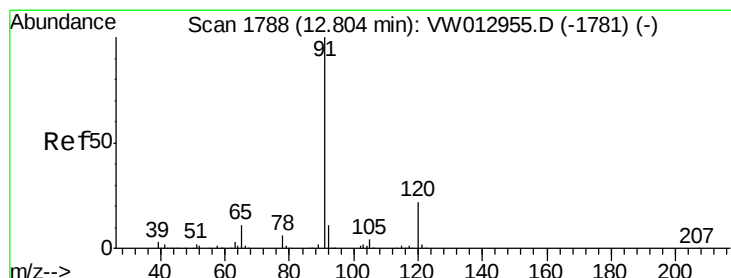
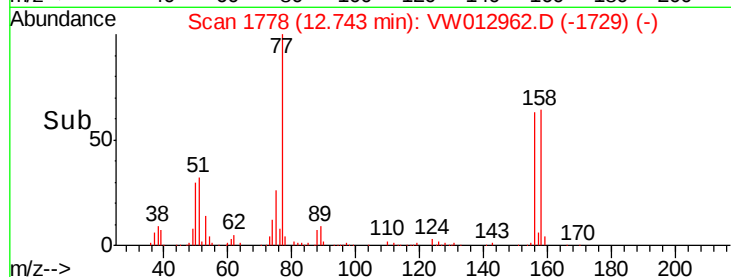
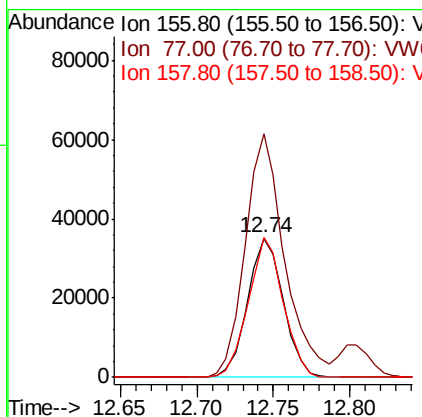
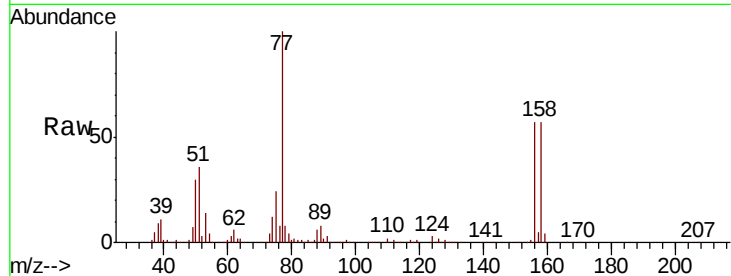
ClientSampleId :

VW0914SBS01

Tgt Ion:	156	Resp:	56834
Ion Ratio	Lower	Upper	
156	100		
77	193.0	95.2	285.6
158	98.8	49.0	147.2

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#78

n-propylbenzene

Concen: 19.818 ug/l

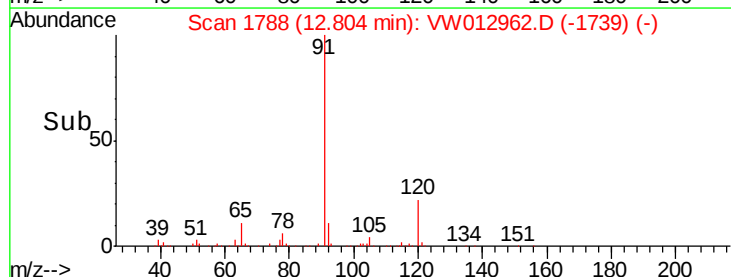
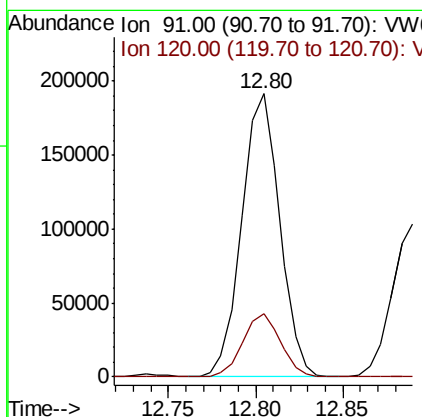
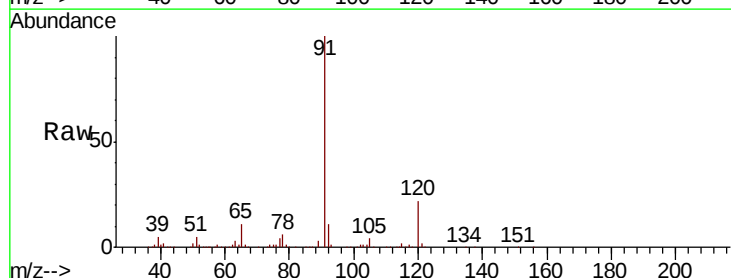
RT: 12.80 min Scan# 1788

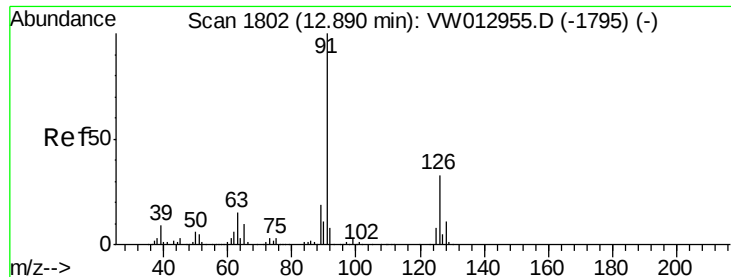
Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	91	Resp:	288524
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.998 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion: 91 Resp: 167361

Ion Ratio Lower Upper

91 100

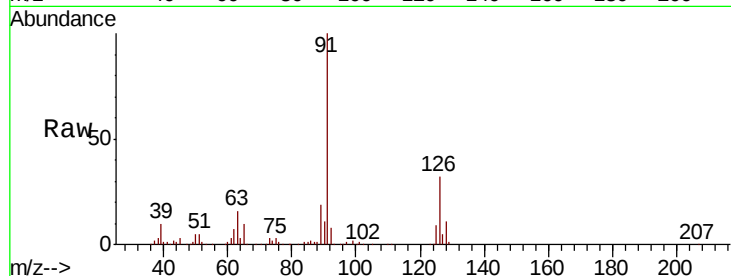
126 32.8 16.5 49.5

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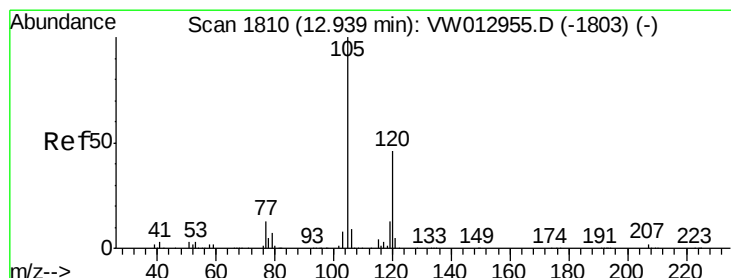
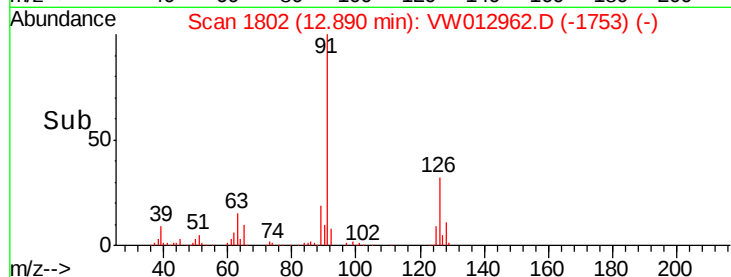
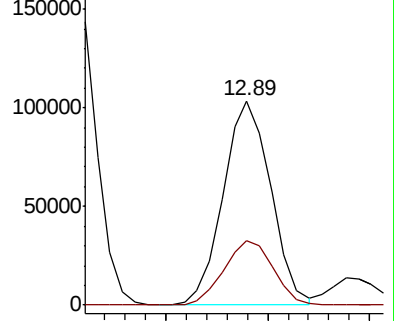
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.700 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW012962.D

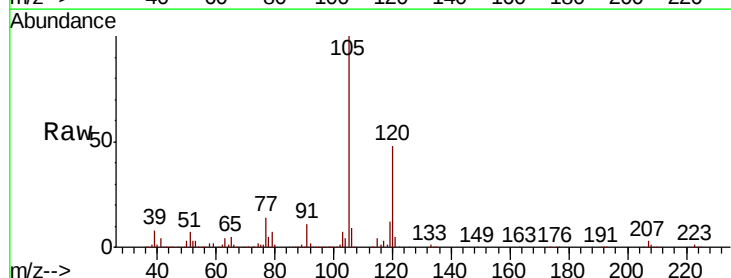
Acq: 13 Sep 2019 19:40

Tgt Ion: 105 Resp: 206265

Ion Ratio Lower Upper

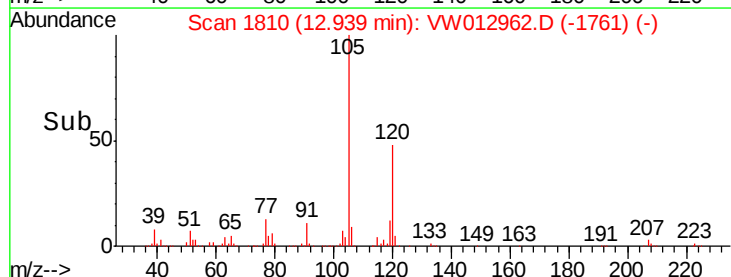
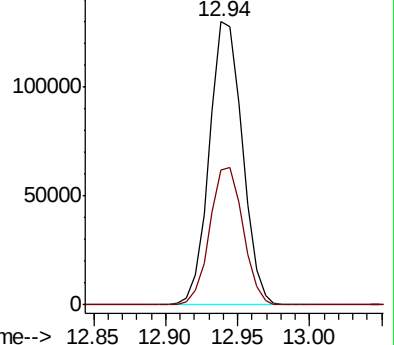
105 100

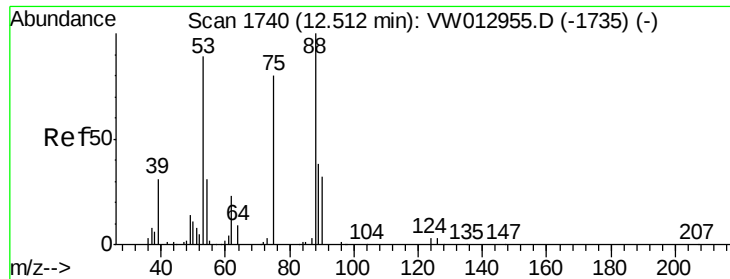
120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





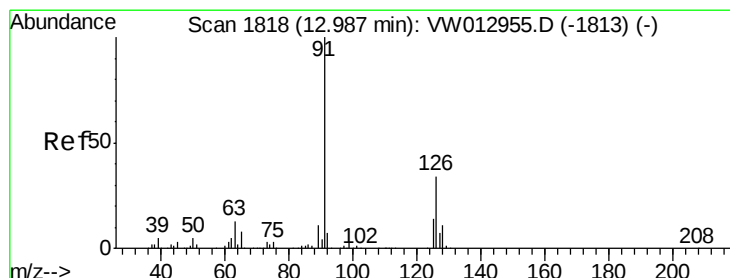
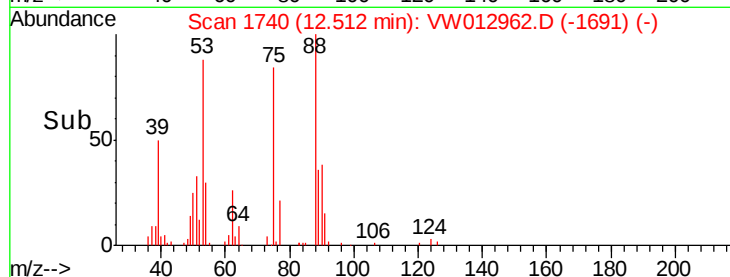
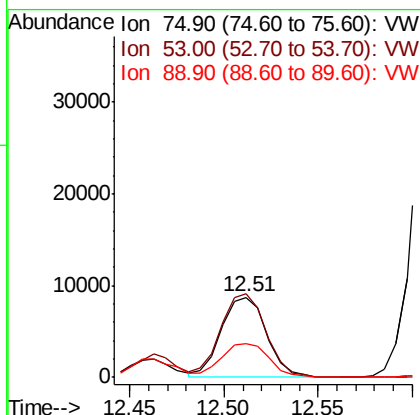
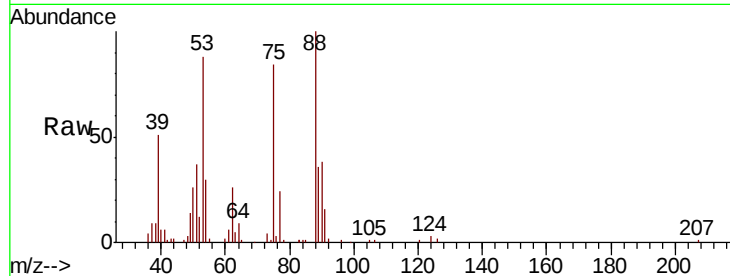
#81
trans-1,4-Dichloro-2-butene
Concen: 19.892 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.4	85.6	128.4
89	45.3	37.2	55.8

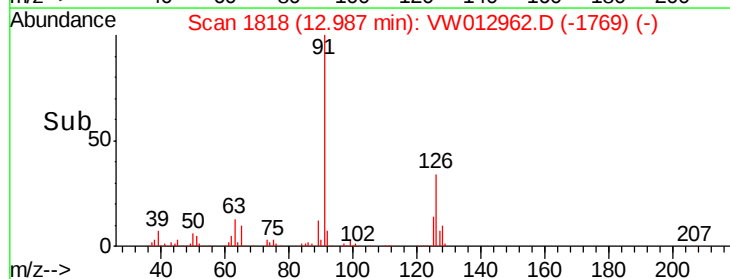
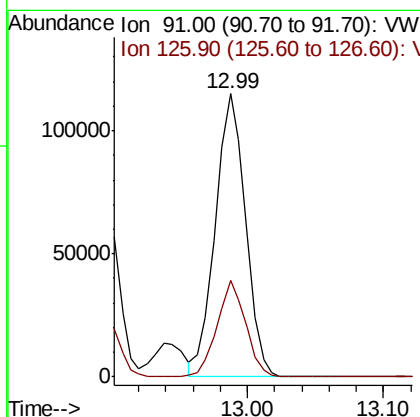
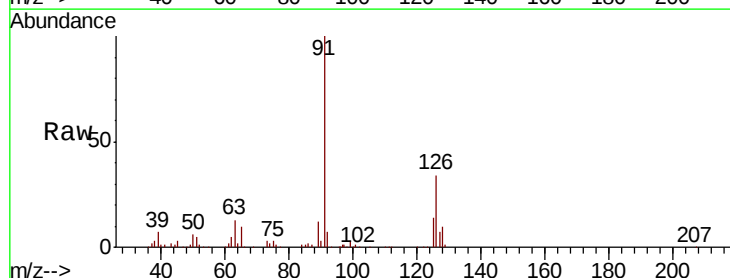
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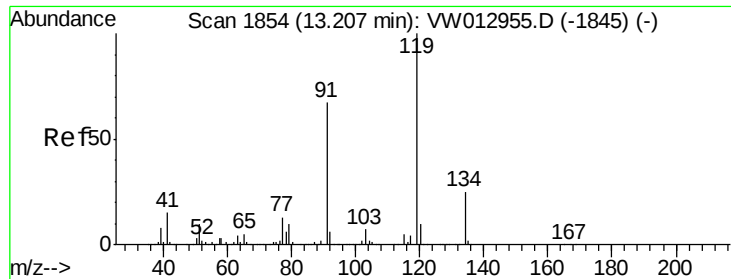
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#82
4-Chlorotoluene
Concen: 20.106 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3





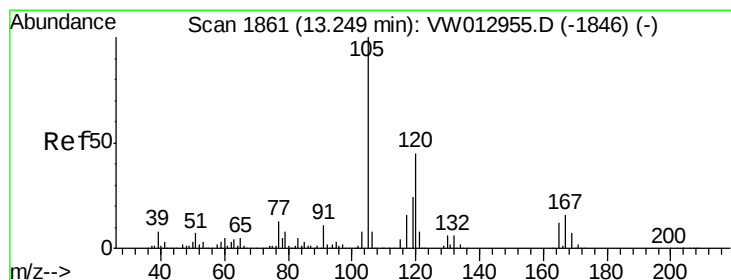
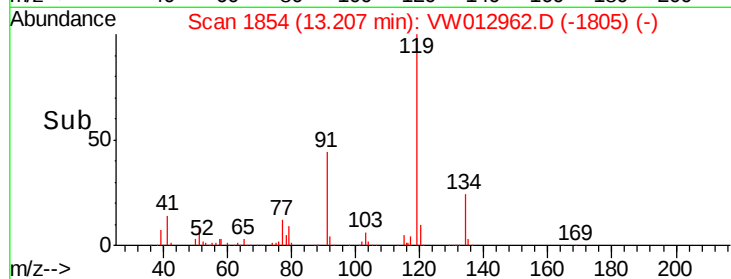
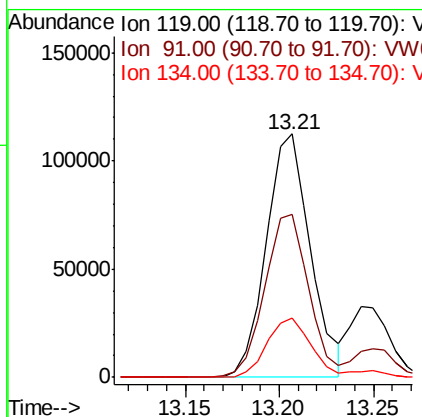
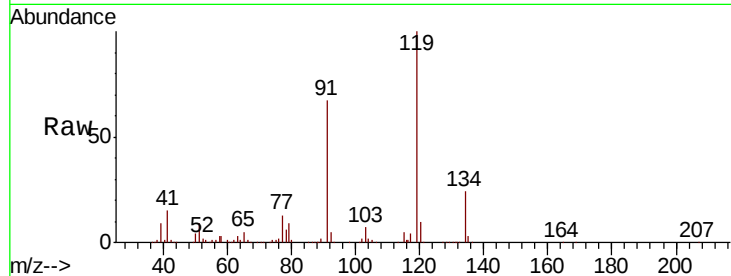
#83
 tert-Butylbenzene
 Concen: 19.530 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	182904		
91	66.6	32.6	98.0	
134	24.5	12.4	37.4	

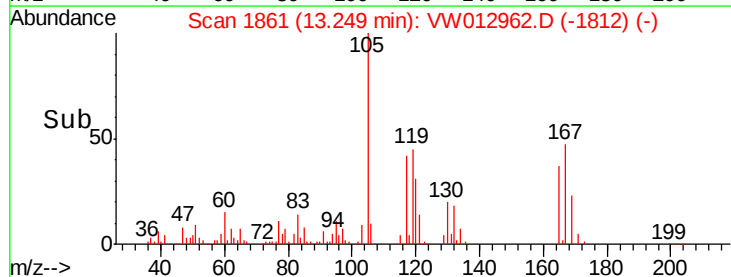
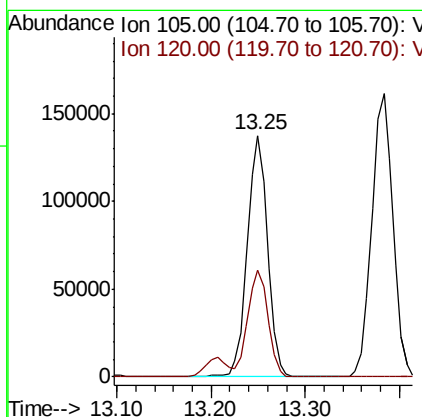
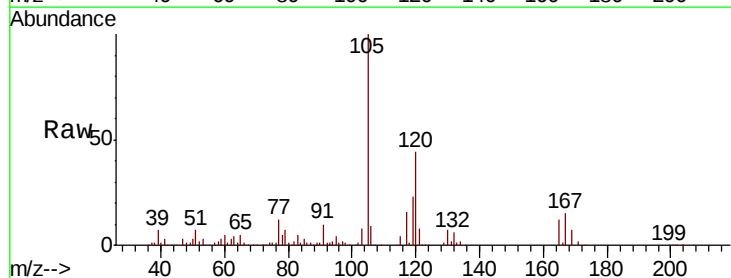
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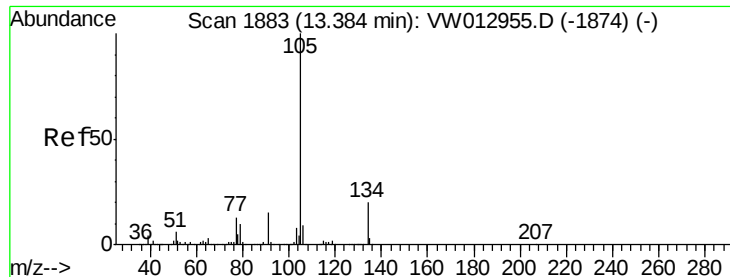
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.084 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207797		
120	43.8	21.9	65.7	





#85

sec-Butylbenzene

Concen: 19.631 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

VW0914SBS01

Tgt Ion:105 Resp: 250482

Ion Ratio Lower Upper

105 100

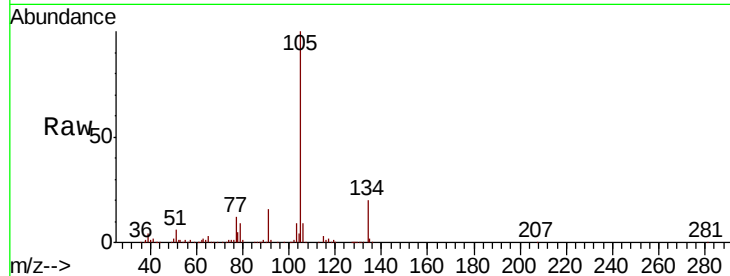
134 20.3 10.2 30.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

150000

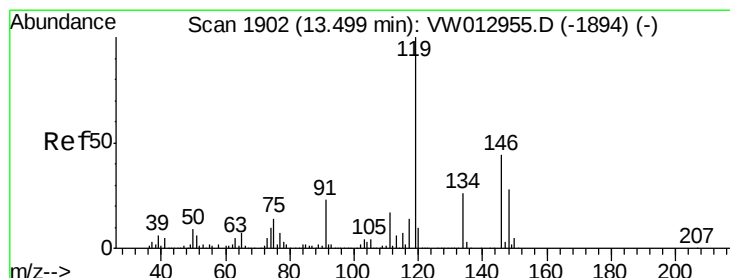
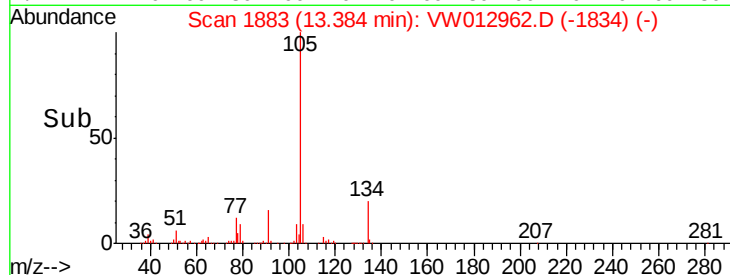
100000

50000

0

Time-->

13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

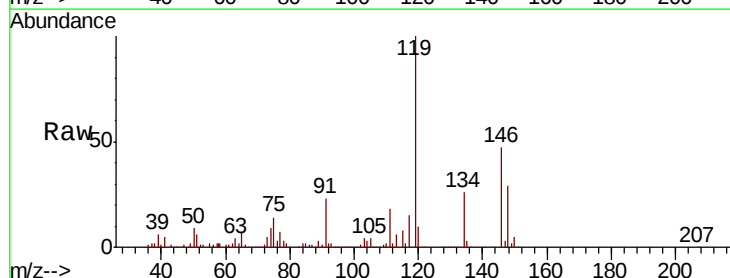
Tgt Ion:119 Resp: 231584

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 23.3 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

150000

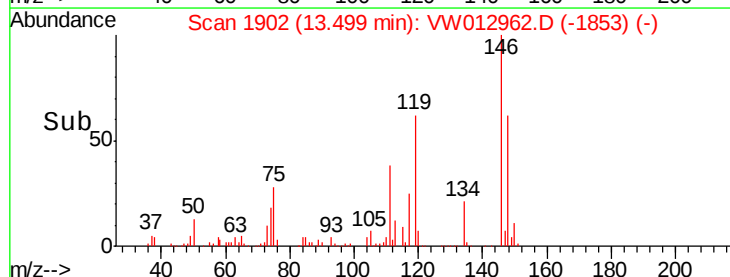
100000

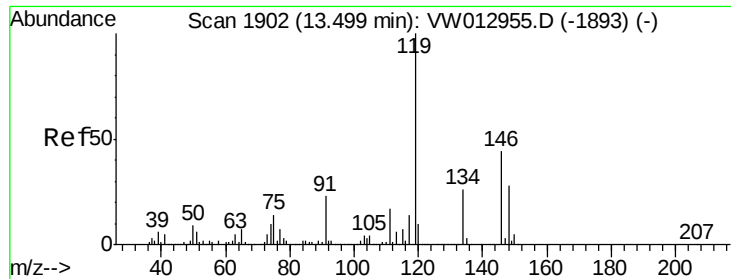
50000

0

Time-->

13.45 13.50 13.55





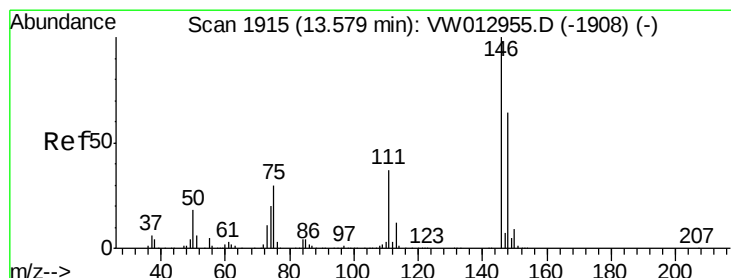
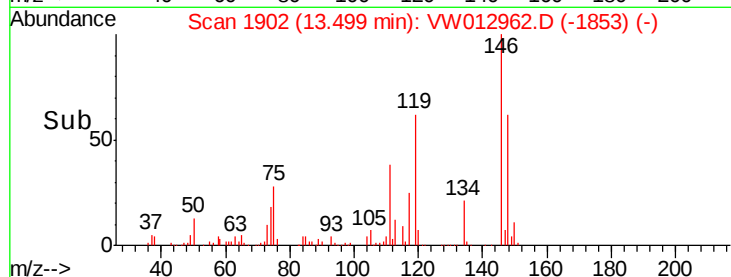
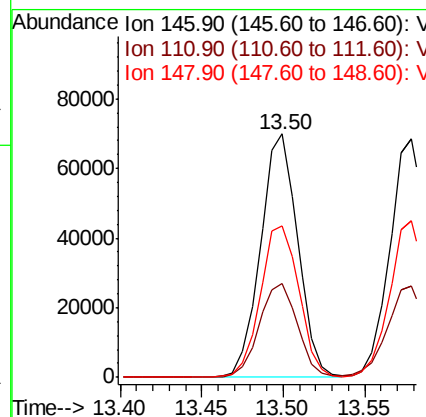
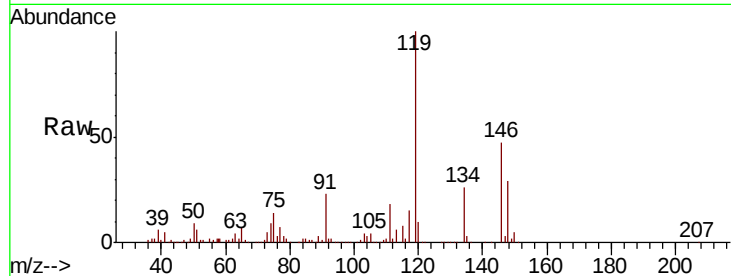
#87
 1,3-Dichlorobenzene
 Concen: 19.714 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111271		
111	39.4	19.8	59.4	
148	64.6	31.9	95.7	

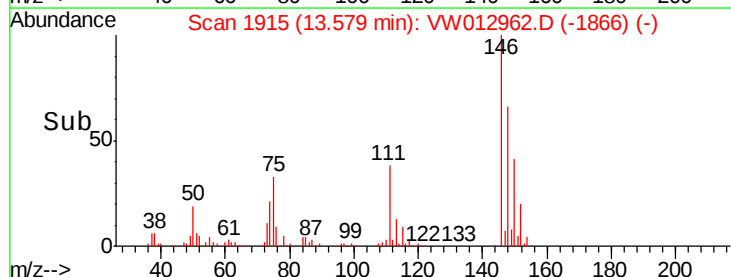
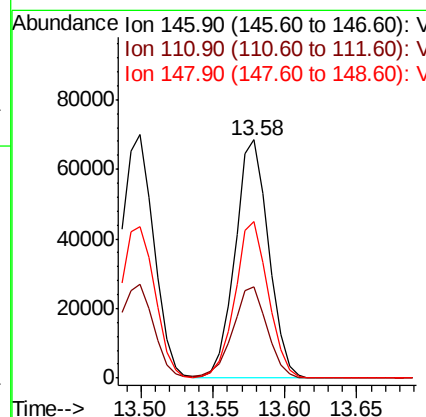
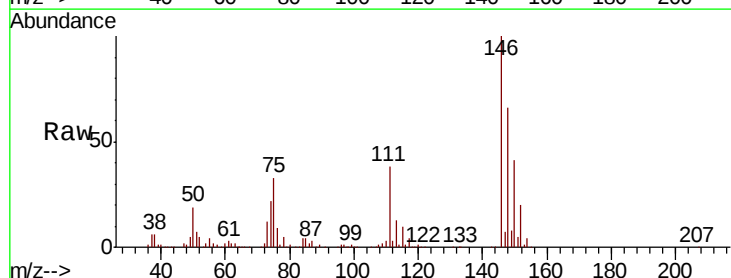
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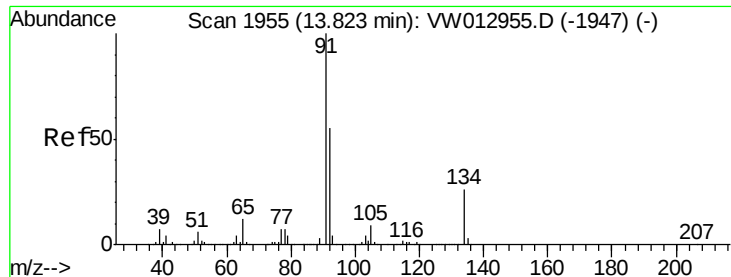
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#88
 1,4-Dichlorobenzene
 Concen: 20.018 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111034		
111	39.7	19.4	58.2	
148	65.1	31.9	95.5	





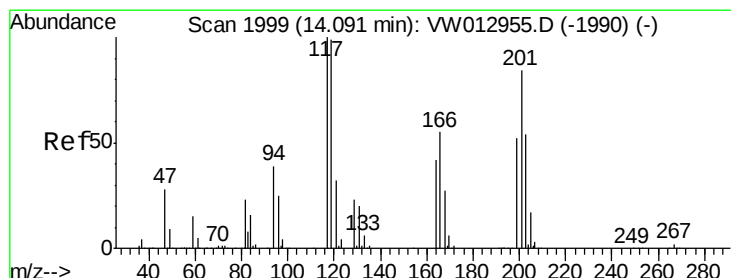
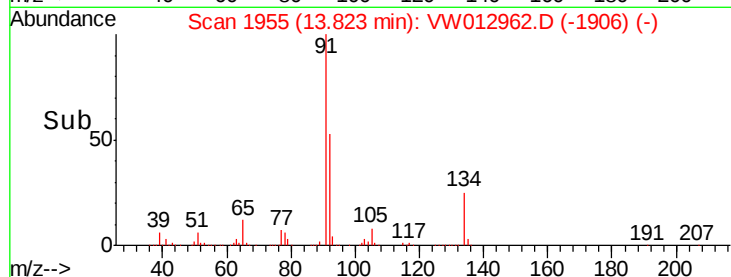
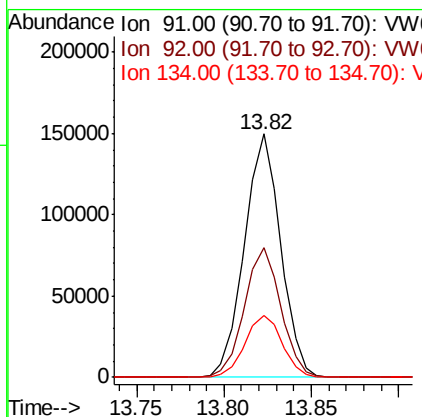
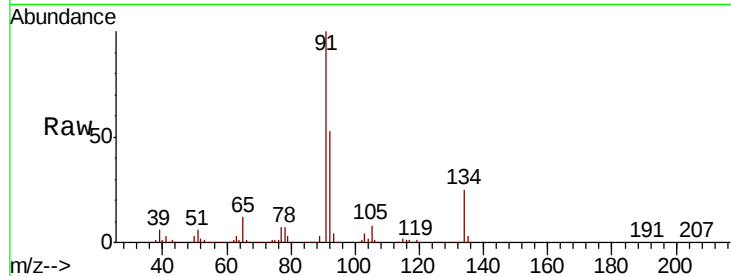
#89
n-Butylbenzene
Concen: 19.592 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	216459		
92	53.3	27.2	81.5	
134	26.2	13.1	39.1	

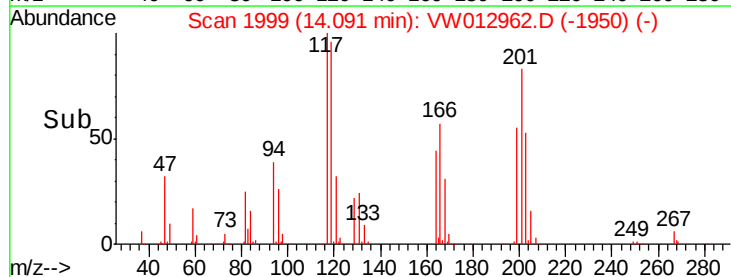
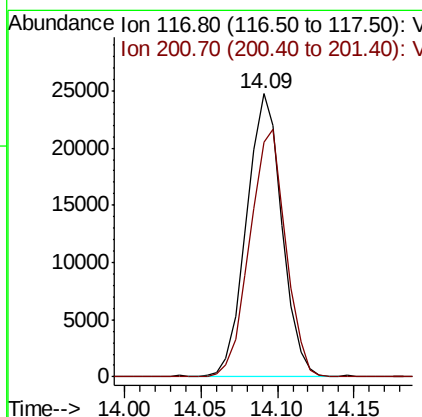
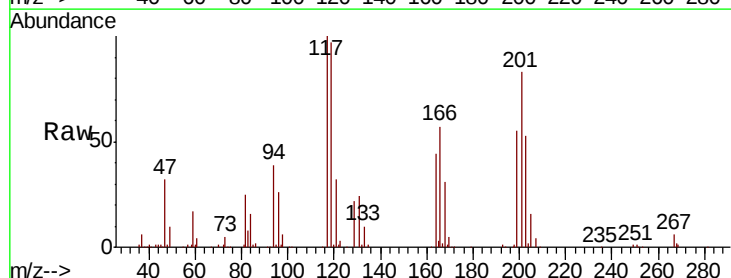
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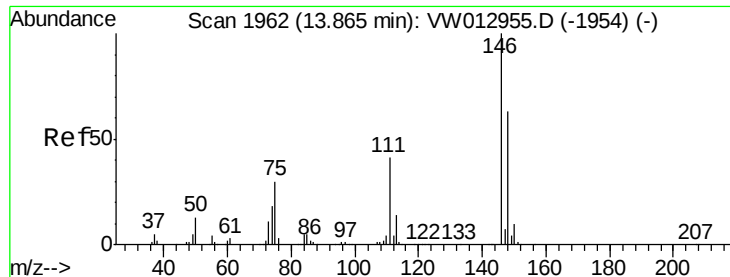
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#90
Hexachloroethane
Concen: 19.010 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012962.D
Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39910		
201	88.3	45.3	135.9	





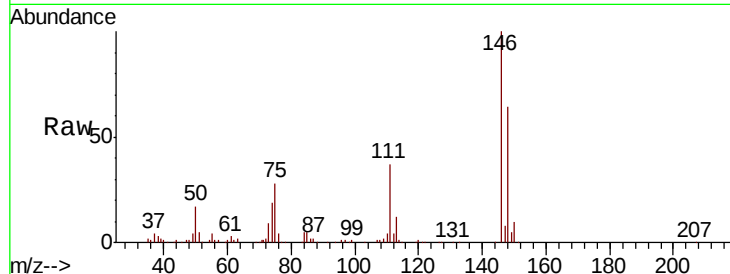
#91
 1,2-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	64.5	32.7	98.1

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 9/16/2019 12:43:49 AM

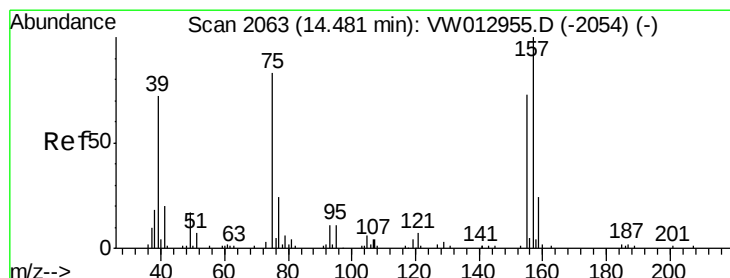
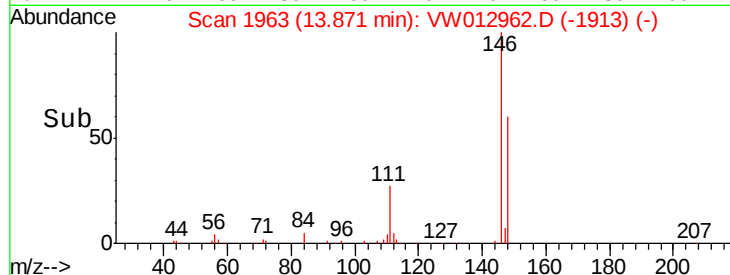
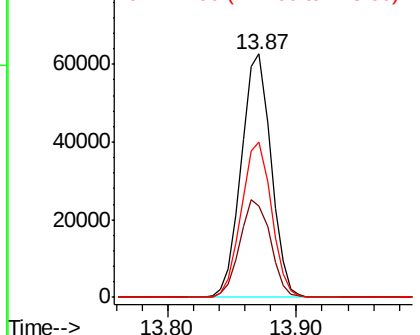


Abundance

Ion 145.90 (145.60 to 146.60): V

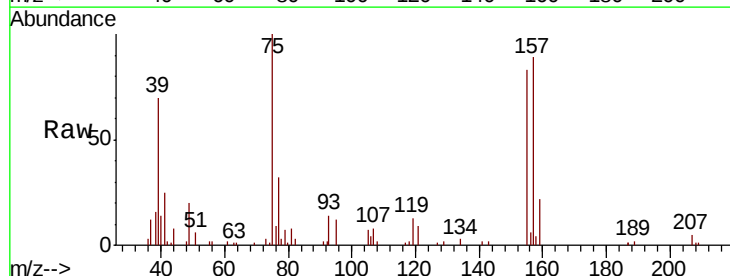
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.460 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	43.3	129.9
157	110.1	54.7	164.1

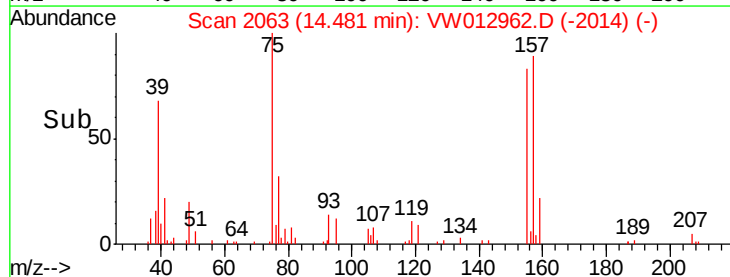
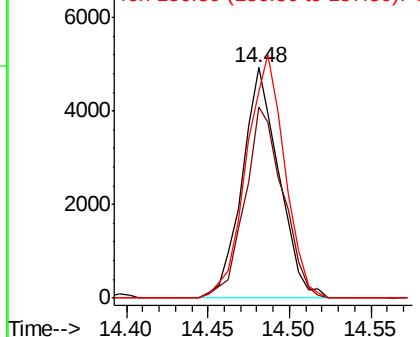


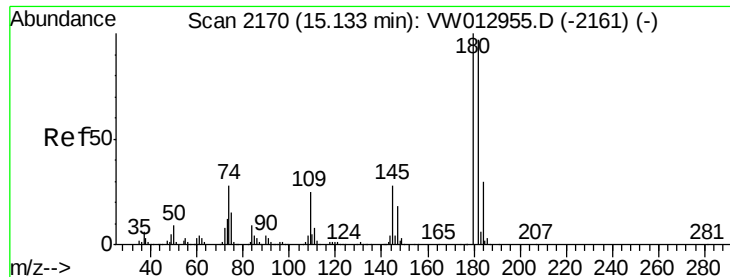
Abundance

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





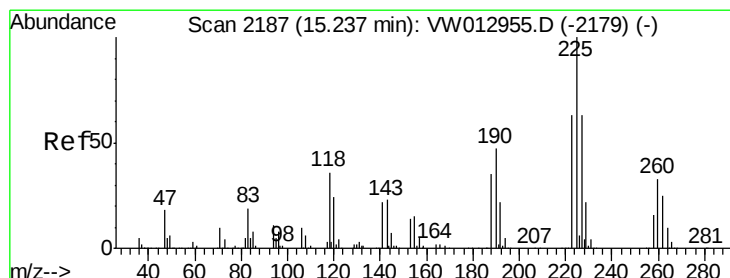
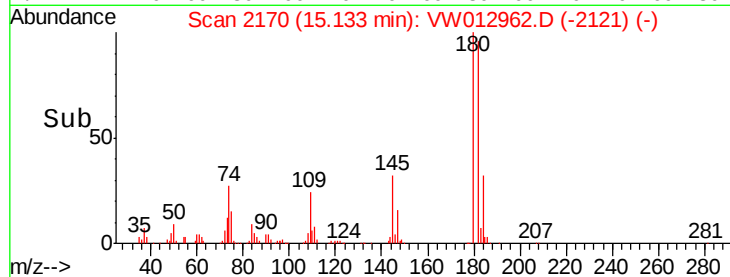
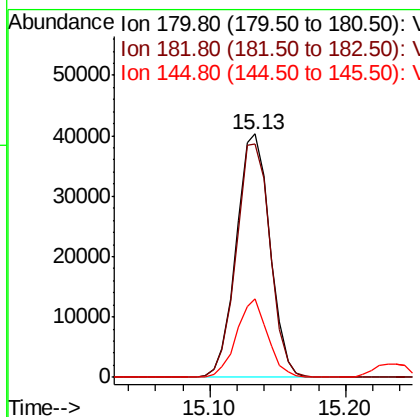
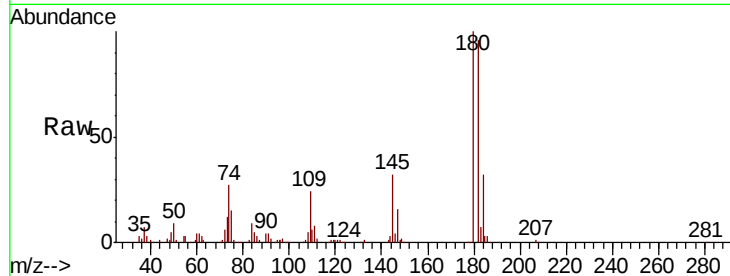
#93
 1,2,4-Trichlorobenzene
 Concen: 19.612 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69422		
182	96.7	47.4	142.2	
145	29.7	14.9	44.7	

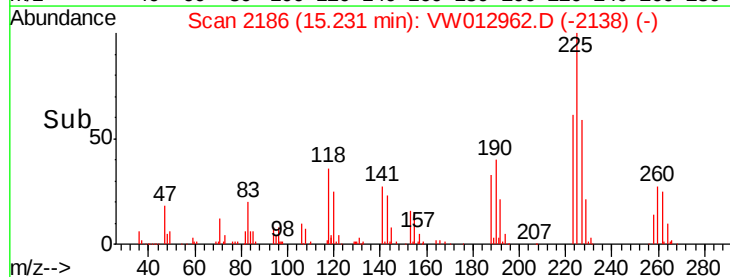
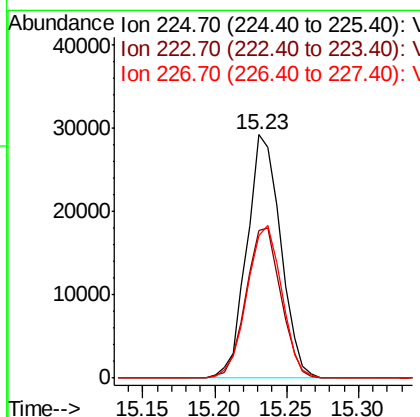
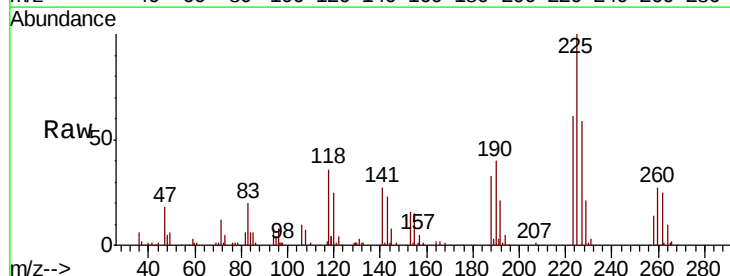
Manual Integrations
 APPROVED

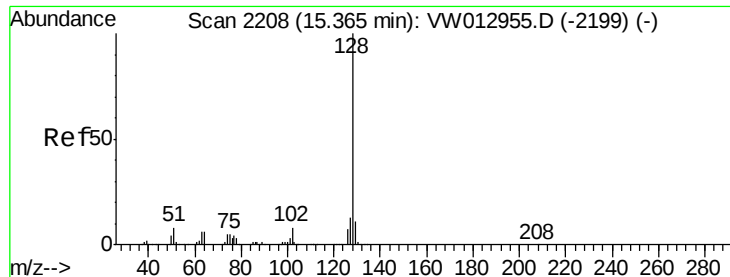
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 9/16/2019 12:43:49 AM



#94
 Hexachlorobutadiene
 Concen: 18.936 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012962.D
 Acq: 13 Sep 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47452		
223	63.9	31.8	95.3	
227	64.6	31.3	93.8	





#95

Naphthalene

Concen: 20.096 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Instrument :

MSVOA_W

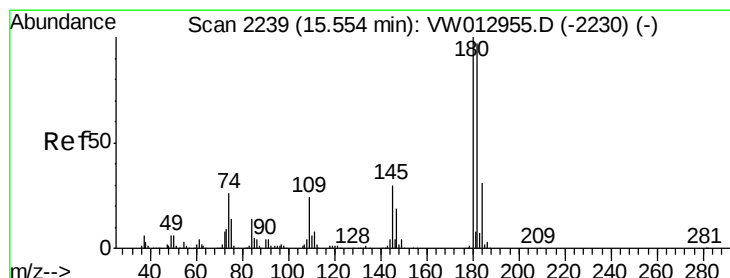
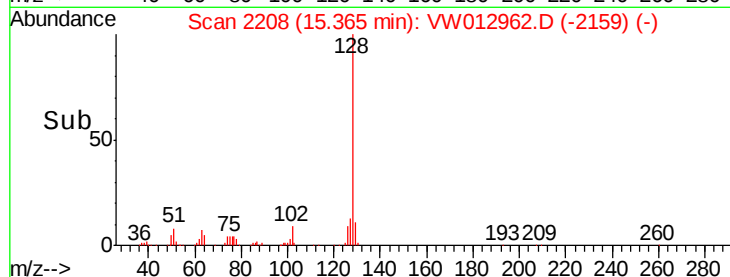
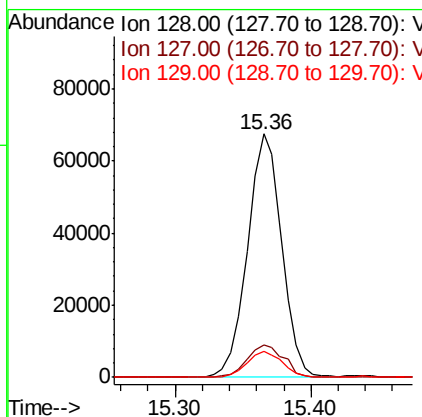
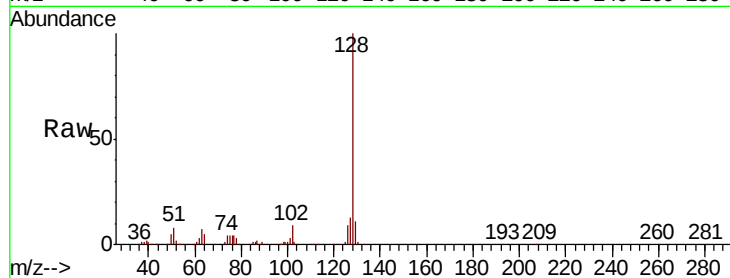
ClientSampleId :

VW0914SBS01

Tgt Ion:	128	Resp:	118863
Ion Ratio	Lower	Upper	
128	100		
127	14.0	11.0	16.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.503 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012962.D

Acq: 13 Sep 2019 19:40

Tgt Ion:	180	Resp:	61028
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.6	142.8
145	31.7	15.4	46.2

