

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012220\
 Data File : VW014713.D
 Acq On : 22 Jan 2020 15:07
 Operator : SY/VA
 Sample : VW0122SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBS01

Manual Integrations
 APPROVED

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 1/23/2020 2:33:07 PM

Quant Time: Jan 22 15:34:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	707132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1064008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	924624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	452458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	350001	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	
35) Dibromofluoromethane	7.88	113	334026	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
50) Toluene-d8	10.32	98	1381405	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.62	95	470437	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	84899	21.264	ug/l	100
3) Chloromethane	2.21	50	120462	24.649	ug/l	100
4) Vinyl Chloride	2.35	62	168823	23.487	ug/l	100
5) Bromomethane	2.76	94	100382	22.607	ug/l	99
6) Chloroethane	2.91	64	93090	22.719	ug/l	99
7) Trichlorofluoromethane	3.25	101	88150	24.511	ug/l	98
8) Diethyl Ether	3.67	74	77639	21.697	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150864	22.451	ug/l	99
10) Methyl Iodide	4.26	142	210147	20.727	ug/l	98
11) Tert butyl alcohol	5.15	59	55065	101.931	ug/l	100
12) 1,1-Dichloroethene	4.03	96	152122	21.617	ug/l	92
13) Acrolein	3.89	56	50323	93.257	ug/l	99
14) Allyl chloride	4.66	41	245949	22.871	ug/l	98
15) Acrylonitrile	5.36	53	174937	106.953	ug/l	99
16) Acetone	4.12	43	174652	100.044	ug/l	97
17) Carbon Disulfide	4.38	76	452204	21.321	ug/l	99
18) Methyl Acetate	4.67	43	90658	21.502	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	197934	22.659	ug/l	99
20) Methylene Chloride	4.91	84	195804	25.518	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	165413	22.138	ug/l	94
22) Diisopropyl ether	6.31	45	477800	23.738	ug/l	99
23) Vinyl Acetate	6.24	43	1368665	112.605	ug/l	98
24) 1,1-Dichloroethane	6.21	63	291441	22.954	ug/l	99
25) 2-Butanone	7.17	43	234352	104.604	ug/l	95
26) 2,2-Dichloropropane	7.16	77	165584	23.556	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	172239	21.938	ug/l	95
28) Bromochloromethane	7.50	49	101279	20.347	ug/l	95
29) Tetrahydrofuran	7.52	42	147395	106.198	ug/l	97
30) Chloroform	7.67	83	273035	22.996	ug/l	99
31) Cyclohexane	7.95	56	293348	22.232	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	223029	23.356	ug/l	99
36) 1,1-Dichloropropene	8.07	75	231249	22.544	ug/l	99
37) Ethyl Acetate	7.24	43	102637	22.062	ug/l	98
38) Carbon Tetrachloride	8.06	117	199757	22.447	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	286751	21.784	ug/l	95
40) Benzene	8.32	78	655170	22.575	ug/l	100
41) Methacrylonitrile	7.48	41	62444	24.079	ug/l	89
42) 1,2-Dichloroethane	8.40	62	172079	22.848	ug/l	98
43) Isopropyl Acetate	8.42	43	182650	21.621	ug/l	99
44) Trichloroethene	9.09	130	172102	21.915	ug/l	97
45) 1,2-Dichloropropane	9.37	63	162297	22.789	ug/l	99
46) Dibromomethane	9.45	93	76754	21.831	ug/l	97
47) Bromodichloromethane	9.64	83	195445	22.517	ug/l	98
48) Methyl methacrylate	9.43	41	88821	21.535	ug/l	98
49) 1,4-Dioxane	9.44	88	26152	397.704	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	473954	108.038	ug/l	99
52) Toluene	10.38	92	411591	22.543	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	195614	21.766	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241251	21.964	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	111149	21.647	ug/l	99
56) Ethyl methacrylate	10.64	69	140264	21.019	ug/l	96
57) 1,3-Dichloropropane	10.93	76	199689	22.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	218796	107.807	ug/l	98
59) 2-Hexanone	10.96	43	320239	105.935	ug/l	98
60) Dibromochloromethane	11.13	129	122301	21.110	ug/l	97
61) 1,2-Dibromoethane	11.23	107	103240	21.182	ug/l	100
64) Tetrachloroethene	10.86	164	143806	21.483	ug/l	98
65) Chlorobenzene	11.65	112	415070	21.912	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	140338	22.004	ug/l	98
67) Ethyl Benzene	11.73	91	764956	22.408	ug/l	98
68) m/p-Xylenes	11.83	106	577029	44.165	ug/l	97
69) o-Xylene	12.16	106	264188	21.891	ug/l	99
70) Styrene	12.18	104	450274	22.058	ug/l	99
71) Bromoform	12.35	173	70254	20.194	ug/l #	99
73) Isopropylbenzene	12.46	105	736088	22.172	ug/l	99
74) N-amyl acetate	12.27	43	160609	21.576	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	126955	21.186	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	98437m	23.010	ug/l	
77) Bromobenzene	12.74	156	164855	21.380	ug/l	96
78) n-propylbenzene	12.80	91	883123	22.622	ug/l	98
79) 2-Chlorotoluene	12.89	91	496593	22.353	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	620068	22.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40058	20.863	ug/l	93
82) 4-Chlorotoluene	12.99	91	516123	22.361	ug/l	99
83) tert-Butylbenzene	13.20	119	537240	22.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	617933	22.276	ug/l	100
85) sec-Butylbenzene	13.38	105	750163	22.206	ug/l	99
86) p-Isopropyltoluene	13.49	119	687278	22.320	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	327165	21.820	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	323058	21.824	ug/l	99
89) n-Butylbenzene	13.82	91	645352	22.570	ug/l	98
90) Hexachloroethane	14.09	117	114750	21.333	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	287592	21.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19446	20.493	ug/l	95

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Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

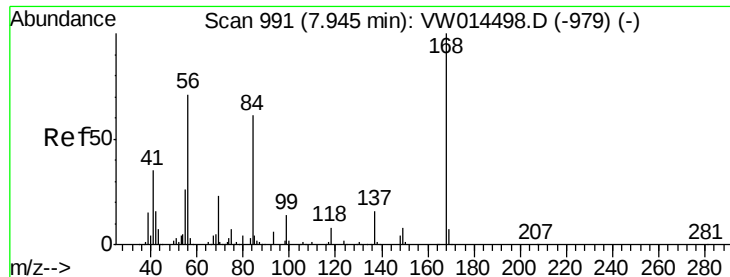
Manual Integrations
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1/23/2020 2:33:07 PM

Quant Time: Jan 22 15:34:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	195487	21.966	ug/l	100
94) Hexachlorobutadiene	15.23	225	126345	21.185	ug/l	99
95) Naphthalene	15.36	128	313967	20.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	166126	21.415	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion:168 Resp: 707132

Ion Ratio Lower Upper

168 100

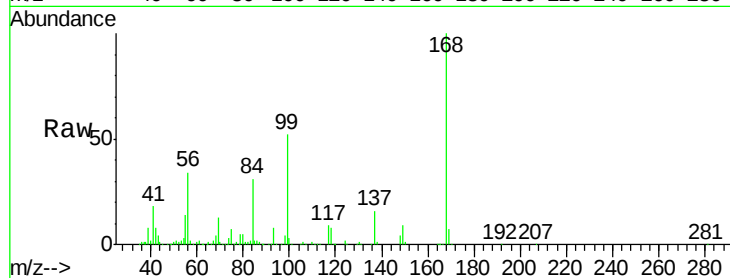
99 52.2 41.1 61.7

Manual Integrations

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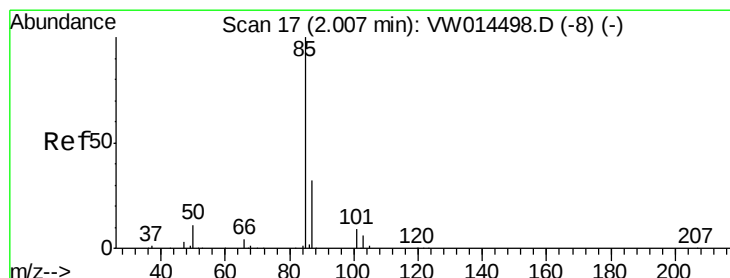
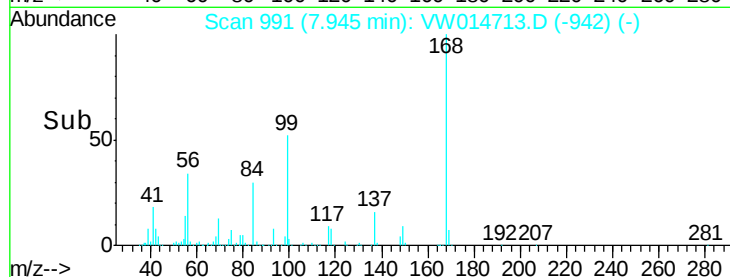
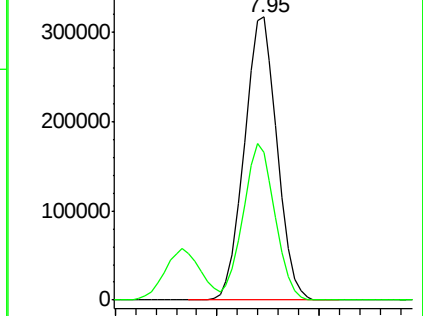
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.264 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014713.D

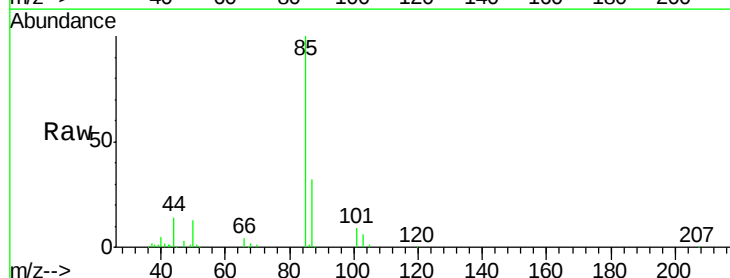
Acq: 22 Jan 2020 15:07

Tgt Ion: 85 Resp: 84899

Ion Ratio Lower Upper

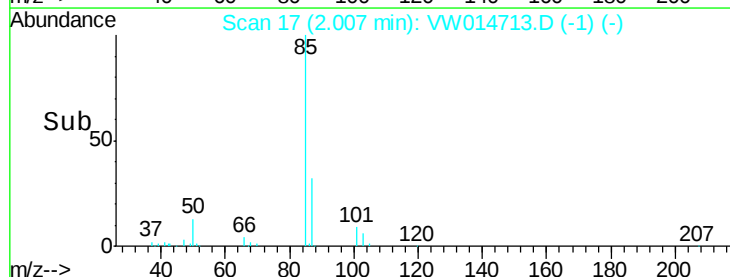
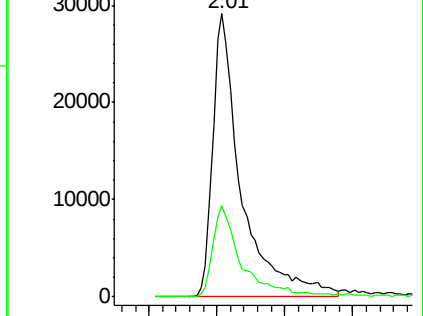
85 100

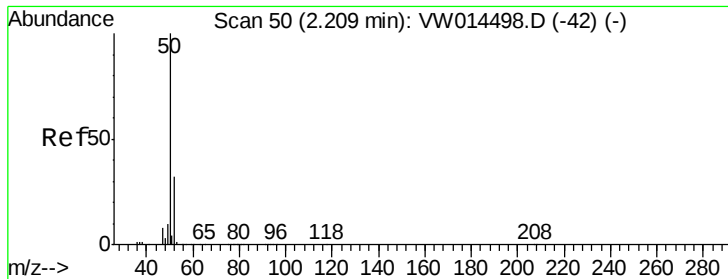
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.649 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 50 Resp: 120462

Ion Ratio Lower Upper

50 100

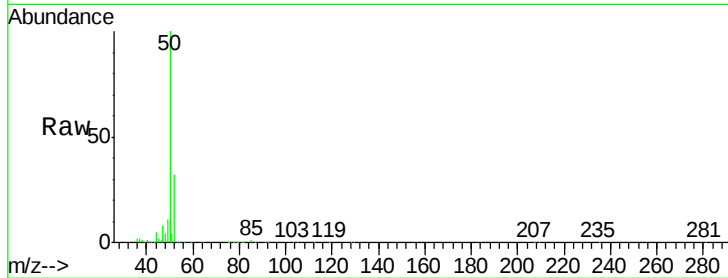
52 32.3 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

80000

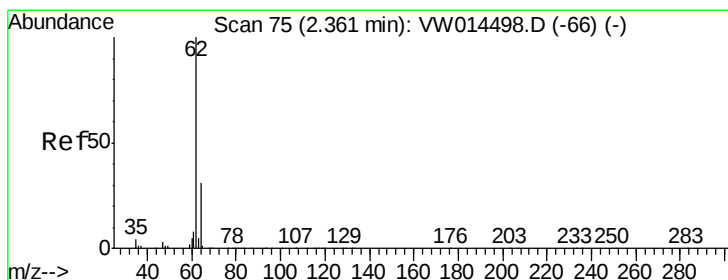
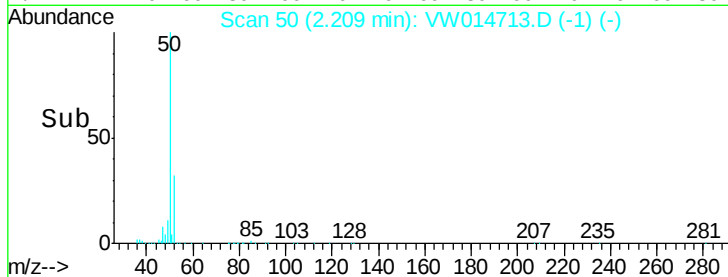
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 23.487 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014713.D

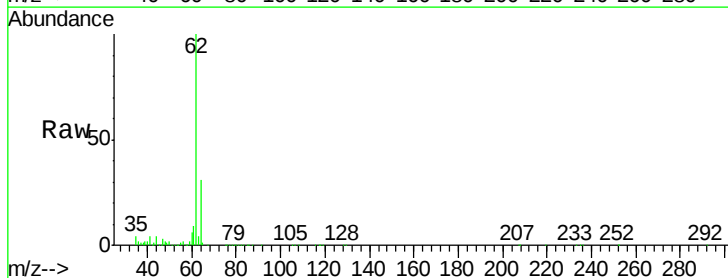
Acq: 22 Jan 2020 15:07

Tgt Ion: 62 Resp: 168823

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

100000

80000

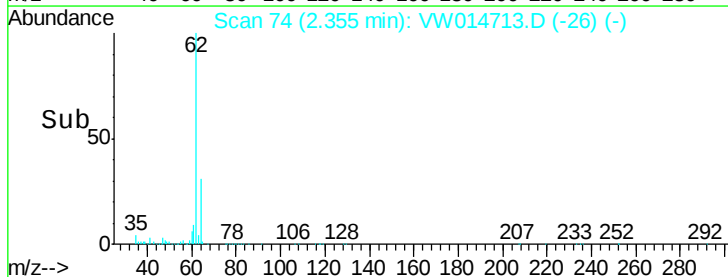
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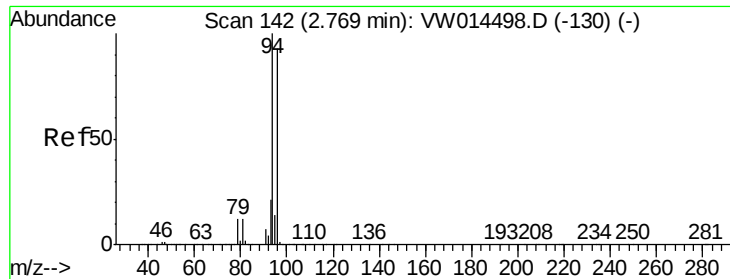
40000

20000

0

Time-->





#5

Bromomethane

Concen: 22.607 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 94 Resp: 100382

Ion Ratio Lower Upper

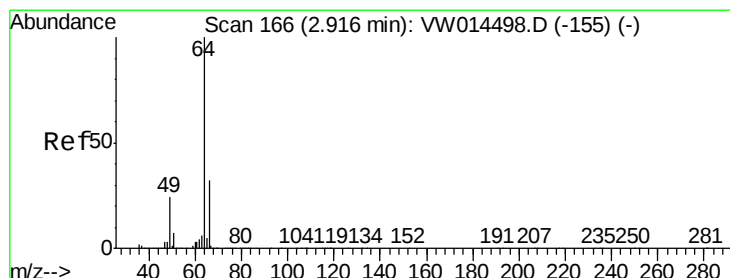
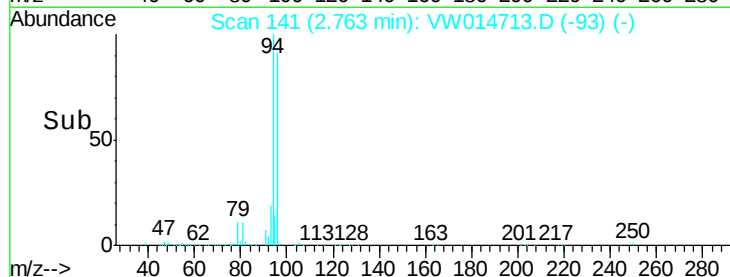
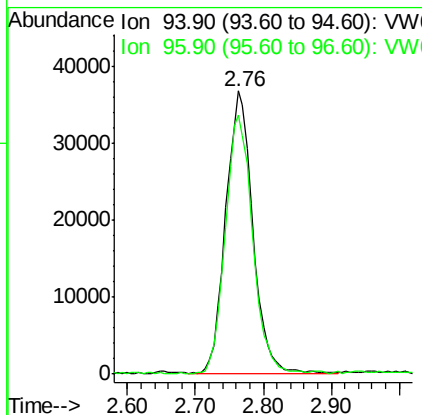
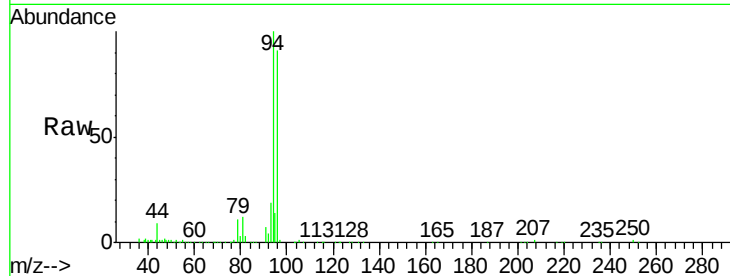
94 100

96 91.4 74.2 111.2

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#6

Chloroethane

Concen: 22.719 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014713.D

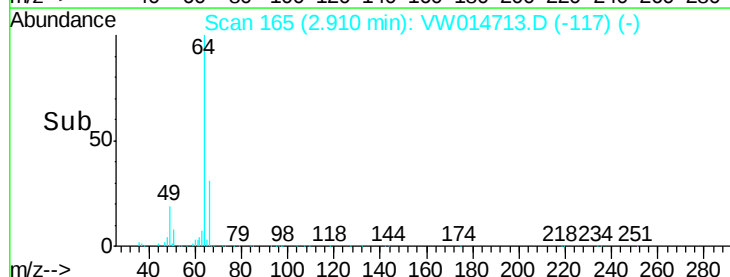
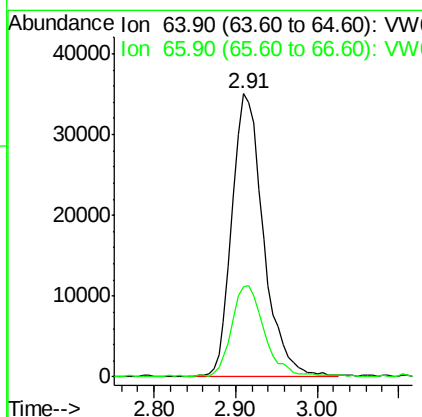
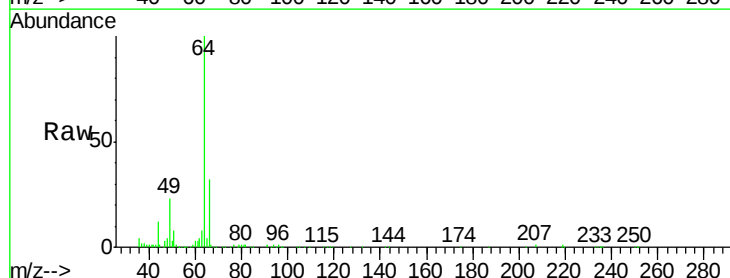
Acq: 22 Jan 2020 15:07

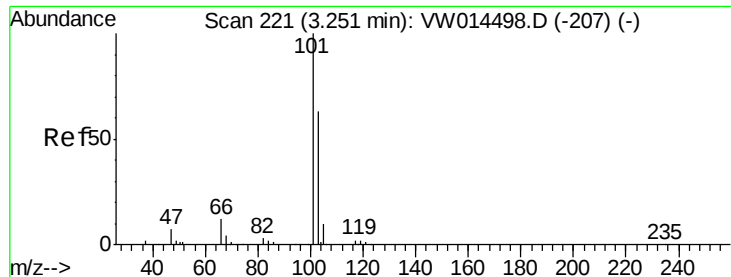
Tgt Ion: 64 Resp: 93090

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





#7

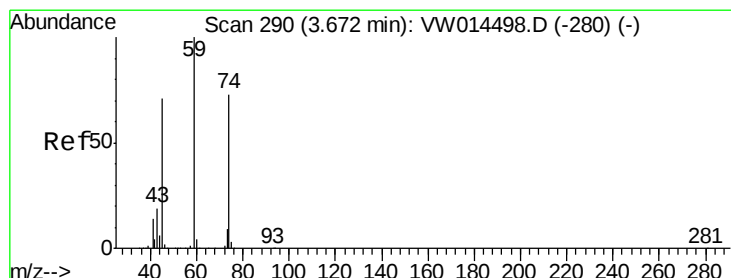
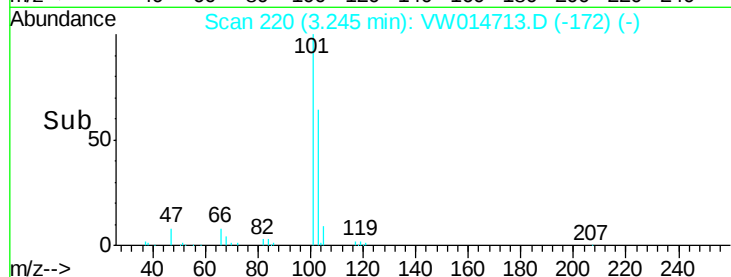
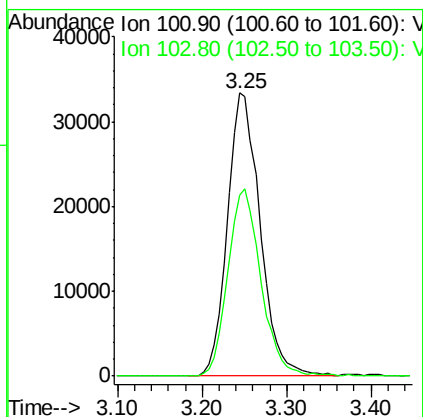
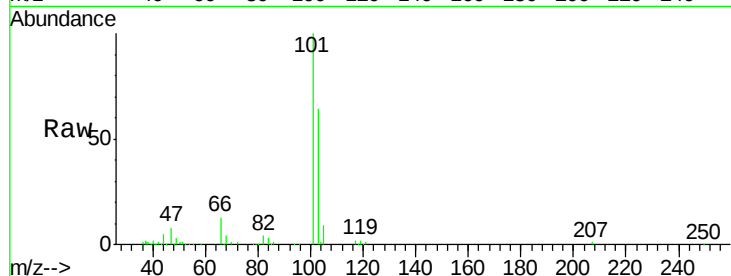
Trichlorofluoromethane
Concen: 24.511 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

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VW0122SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.1	75.1

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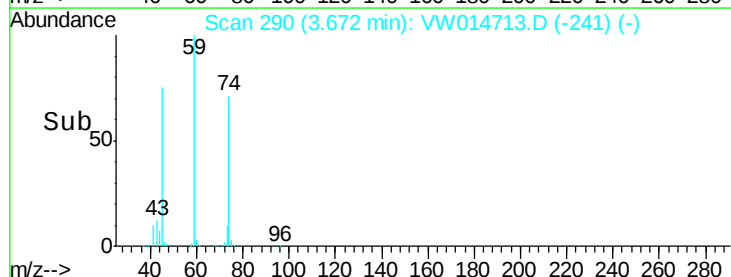
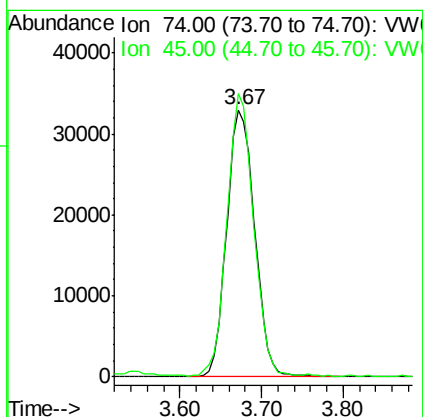
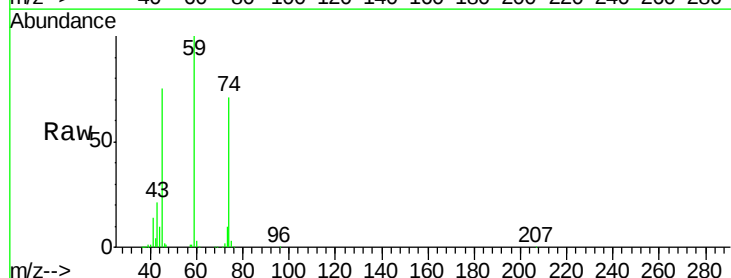
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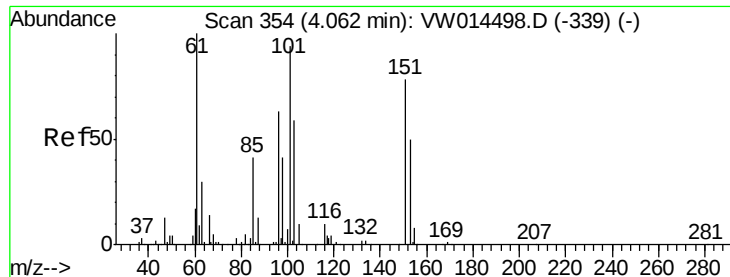


#8

Diethyl Ether
Concen: 21.697 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.451 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

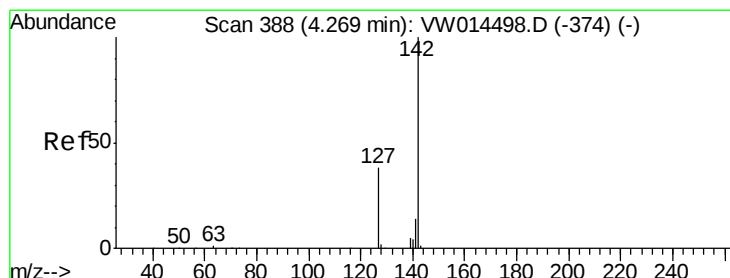
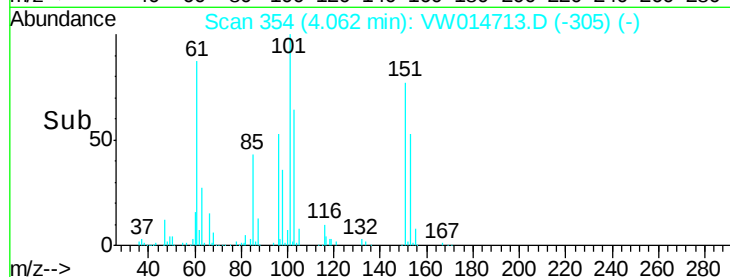
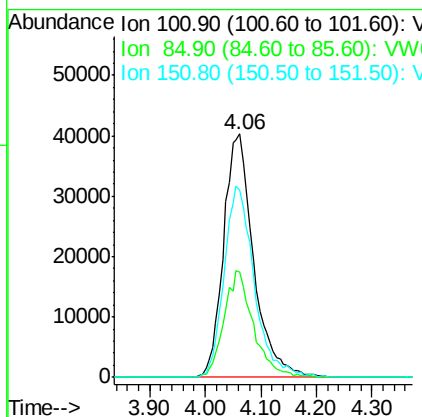
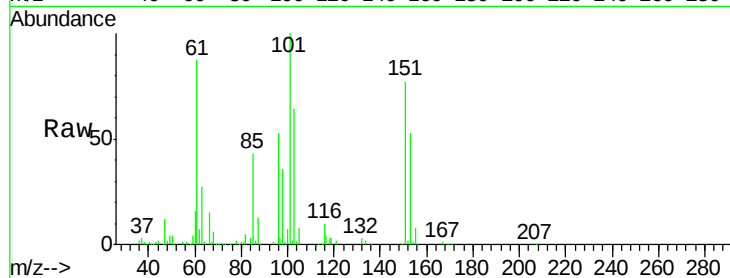
ClientSampleId :

VW0122SBS01

Tot Ion:	101	Resp:	150864
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	78.7	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.727 ug/l

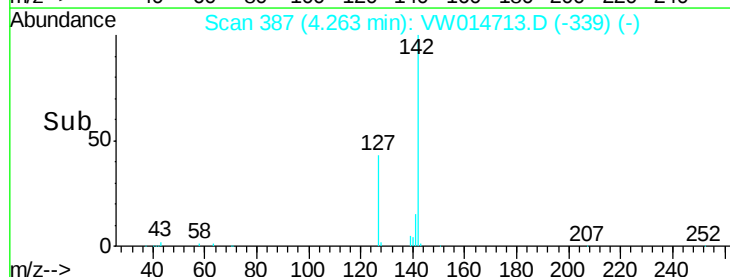
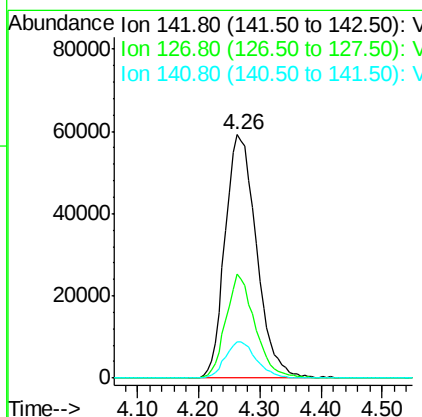
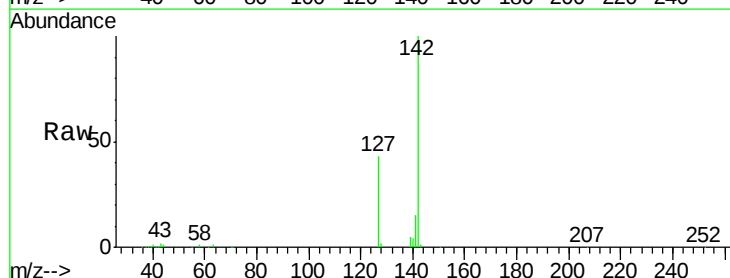
RT: 4.26 min Scan# 387

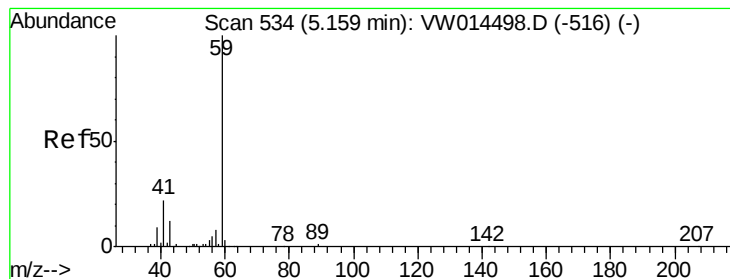
Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	142	Resp:	210147
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.2	45.4
141	14.9	11.4	17.2





#11

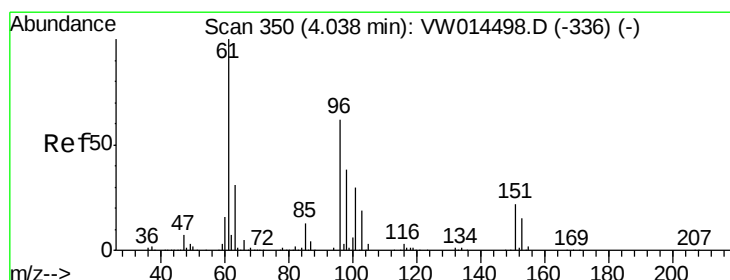
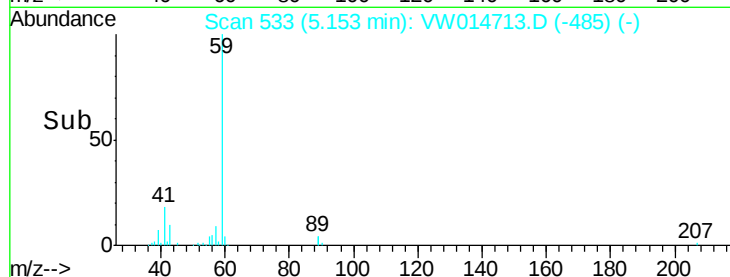
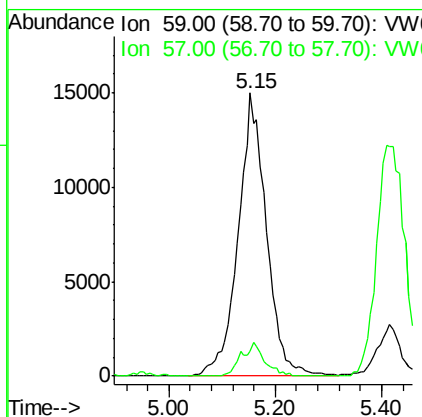
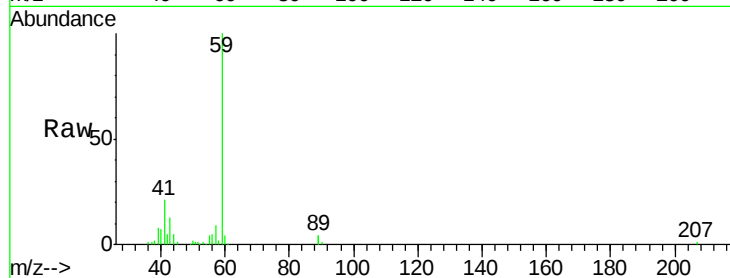
Tert butyl alcohol
 Concen: 101.931 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

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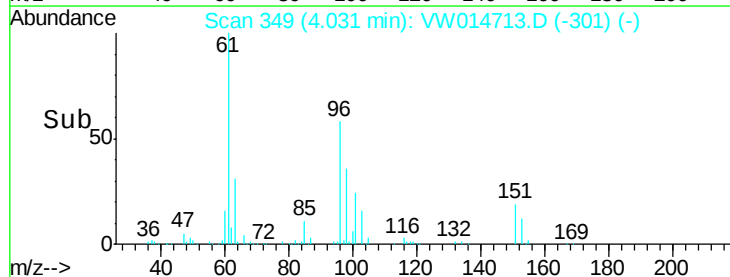
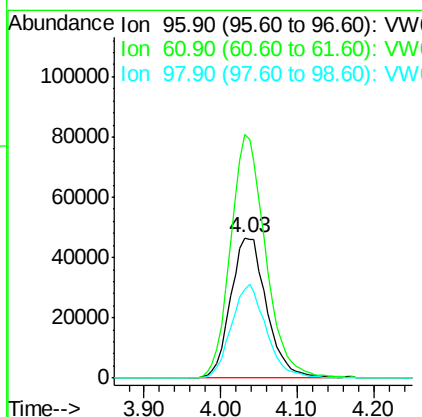
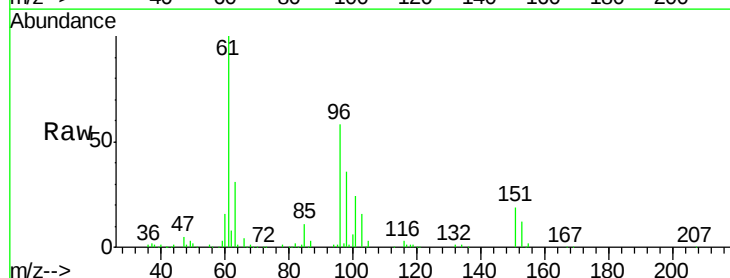
MMDadoda
 1/23/2020 2:33:07 PM

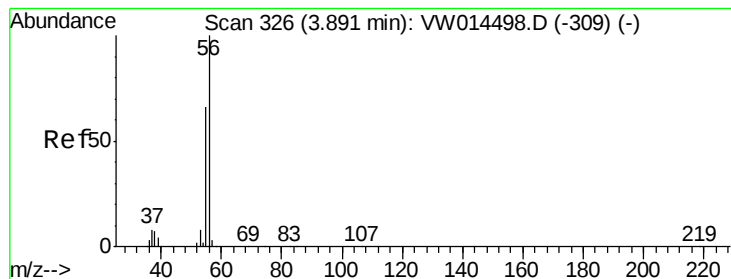


#12

1,1-Dichloroethene
 Concen: 21.617 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.7	128.4	192.6
98	63.3	49.1	73.7





#13

Acrolein

Concen: 93.257 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 56 Resp: 50323

Ion Ratio Lower Upper

56 100

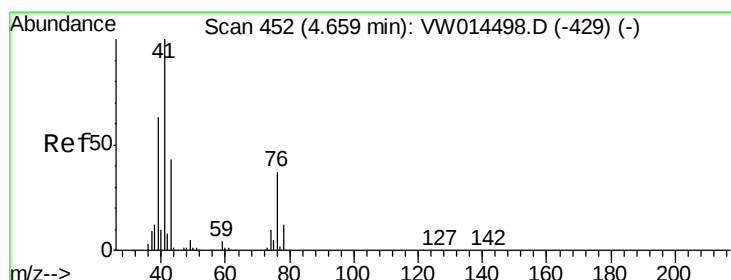
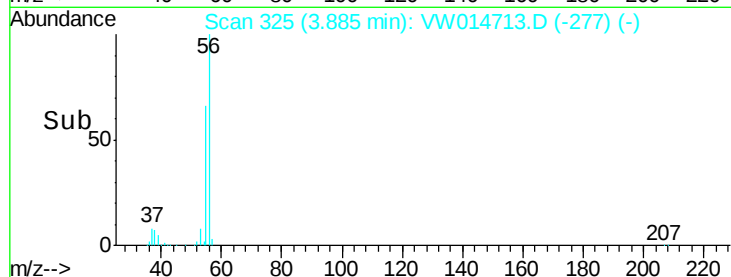
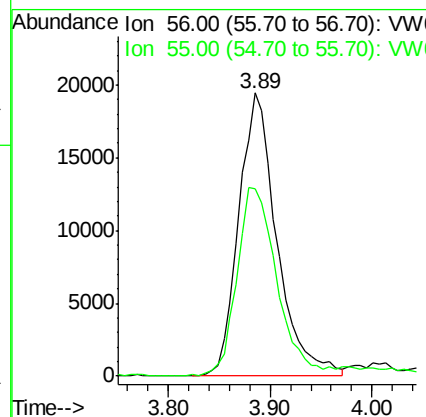
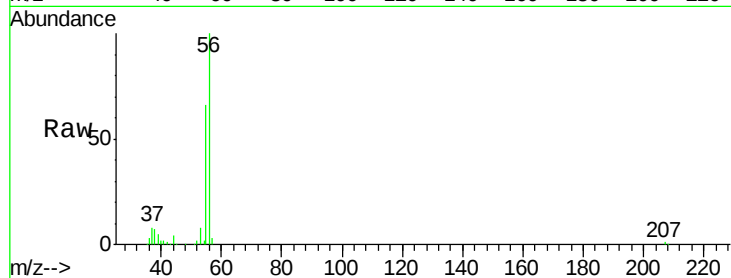
55 70.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.871 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

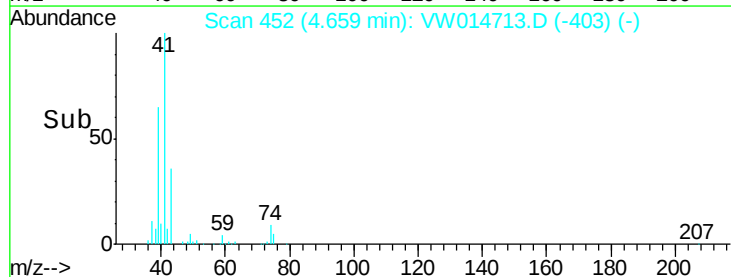
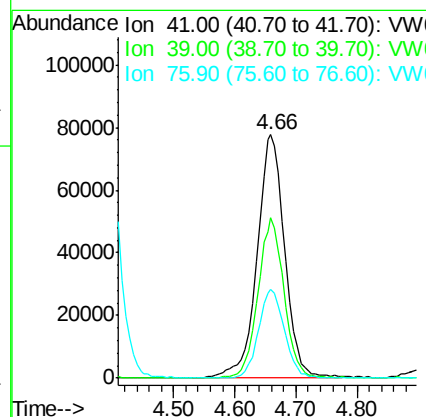
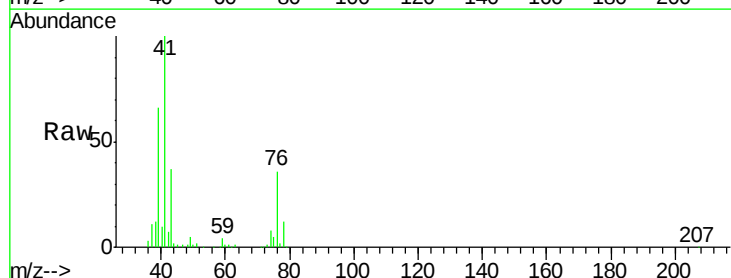
Tgt Ion: 41 Resp: 245949

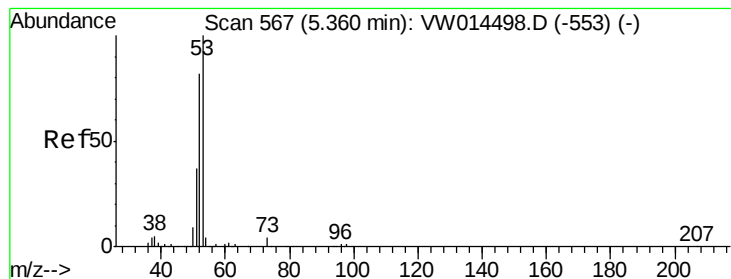
Ion Ratio Lower Upper

41 100

39 62.3 48.5 72.7

76 34.3 28.1 42.1





#15

Acrylonitrile

Concen: 106.953 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

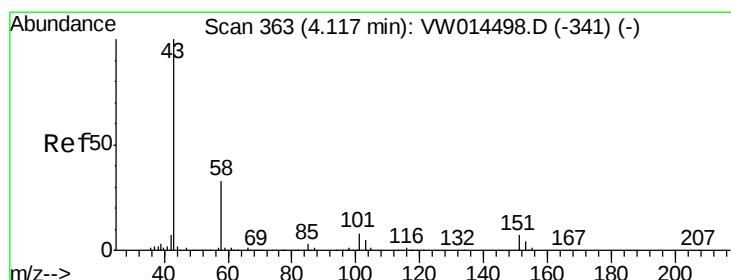
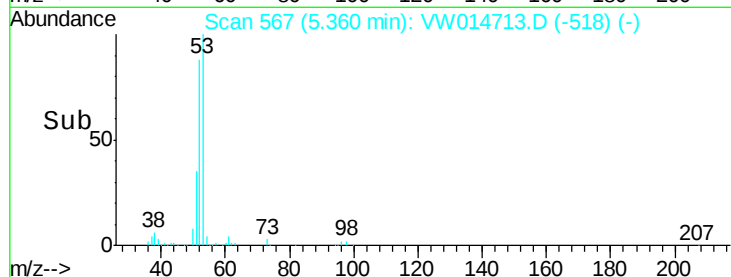
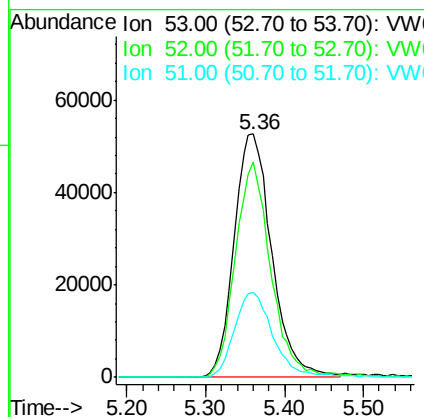
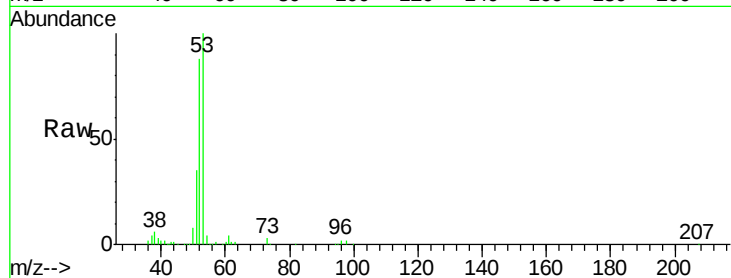
ClientSampleId :

VW0122SBSD01

Tot Ion:	53	Resp:	174937
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.5	99.7
51	36.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 100.044 ug/l

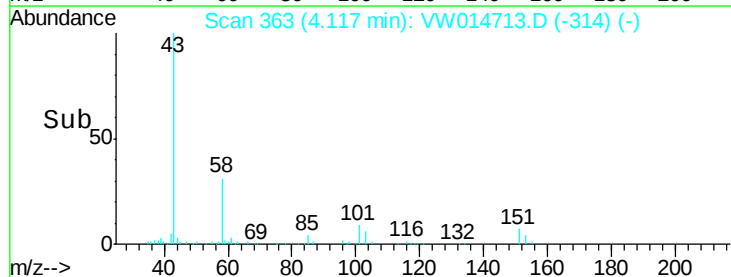
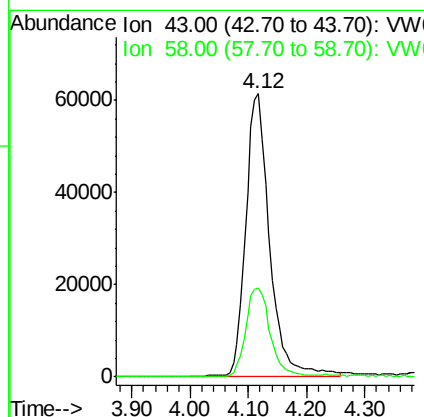
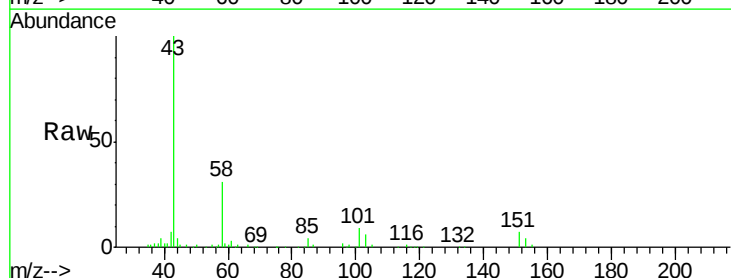
RT: 4.12 min Scan# 363

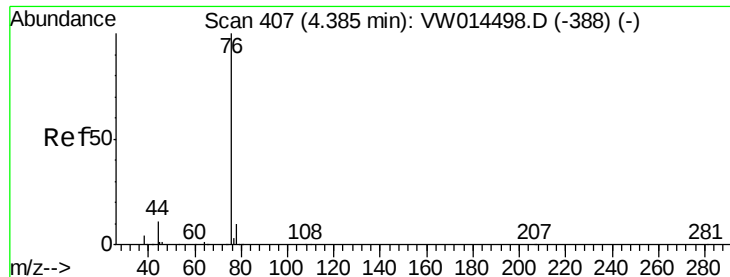
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	43	Resp:	174652
Ion Ratio	Lower	Upper	
43	100		
58	31.3	26.6	39.8





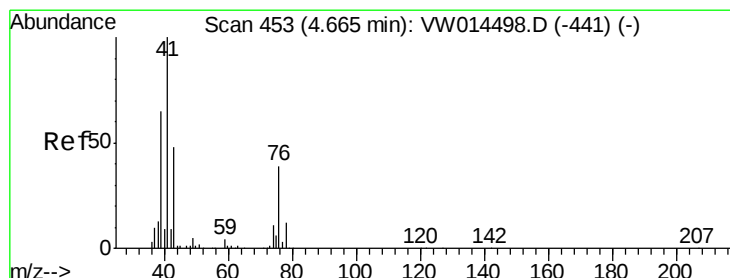
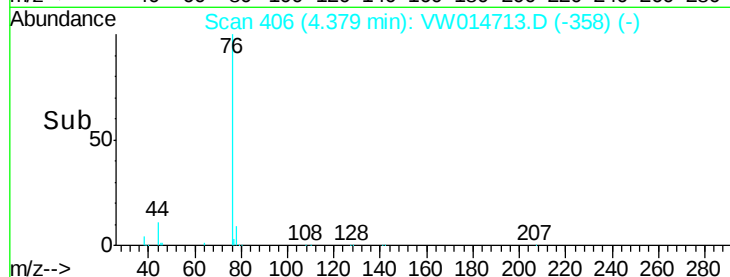
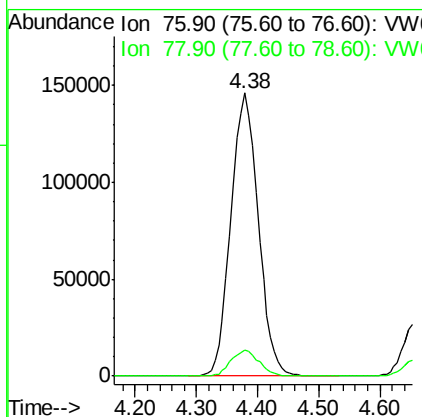
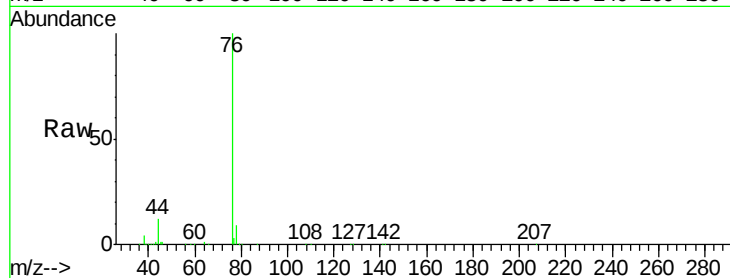
#17
Carbon Disulfide
Concen: 21.321 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.6

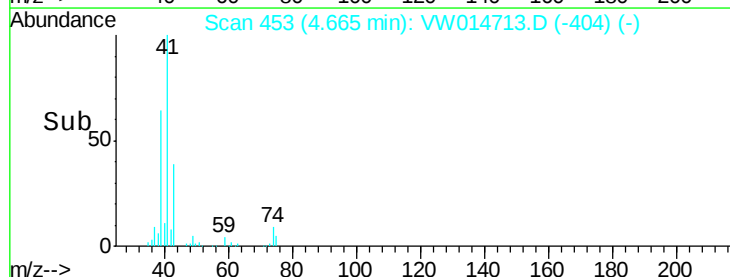
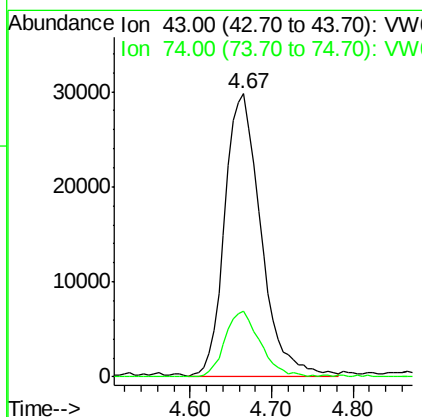
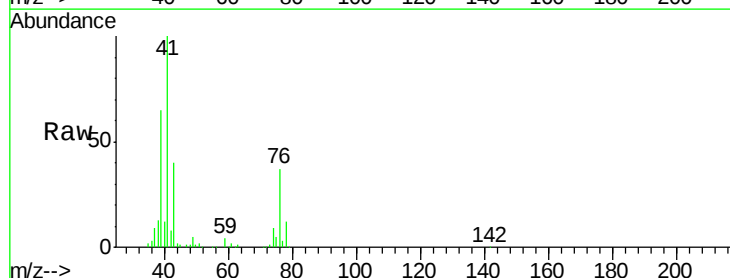
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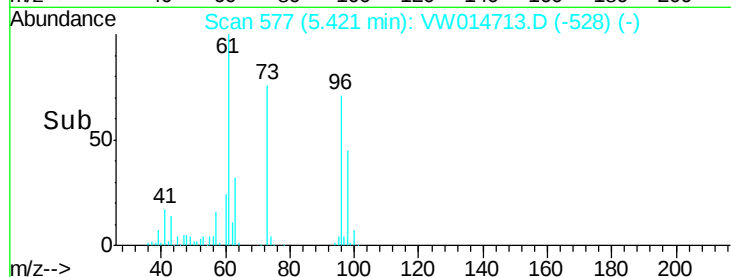
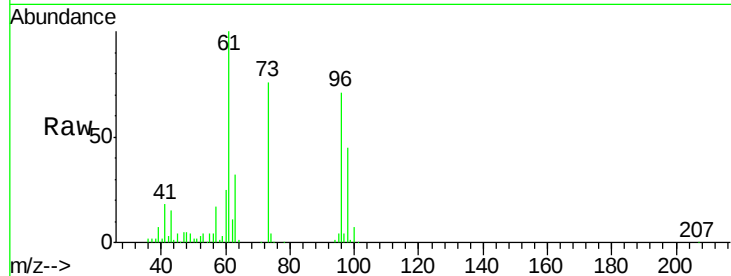
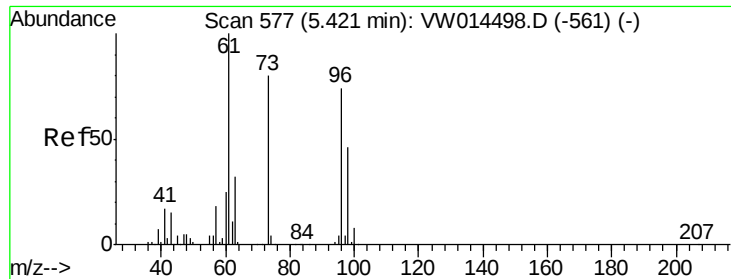
MMDadoda
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#18
Methyl Acetate
Concen: 21.502 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.3	28.9





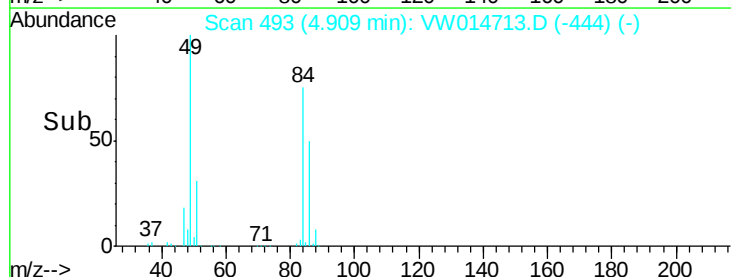
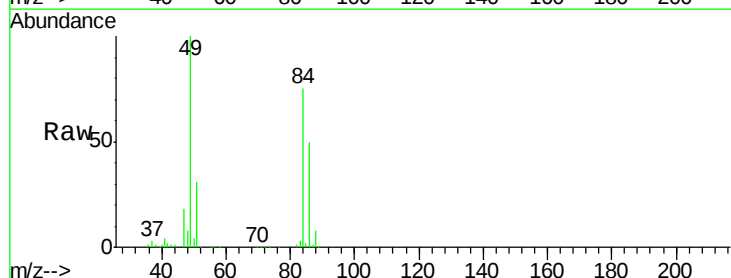
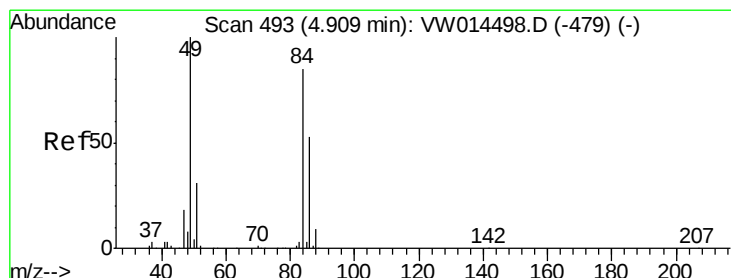
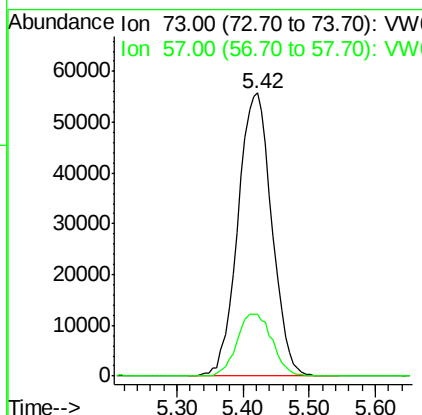
#19
Methyl tert-butyl Ether
Concen: 22.659 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.1	27.1

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

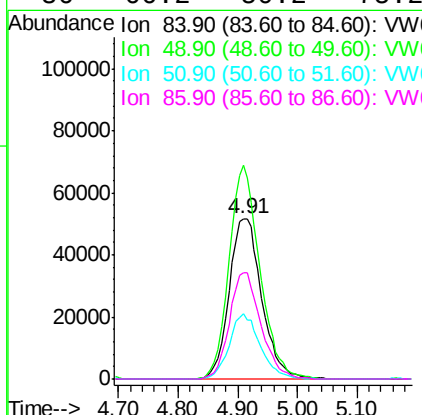
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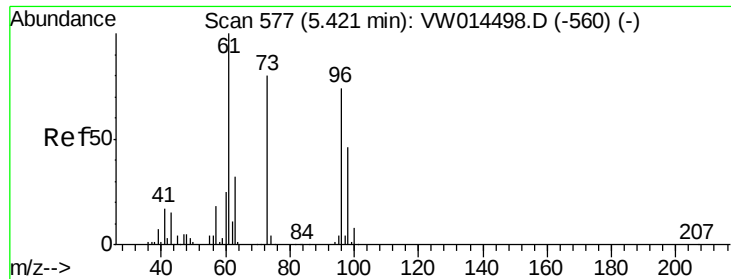
MMDadoda
1/23/2020 2:33:07 PM



#20
Methylene Chloride
Concen: 25.518 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.4	94.4	141.6
51	40.8	29.5	44.3
86	66.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 22.138 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

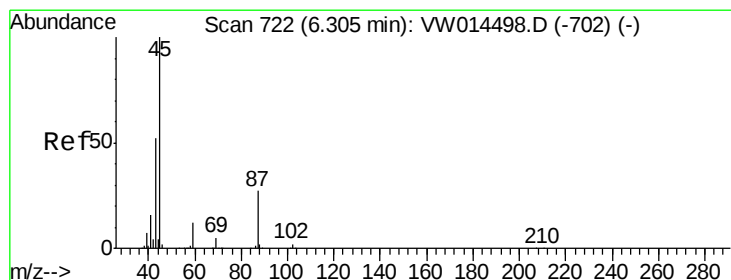
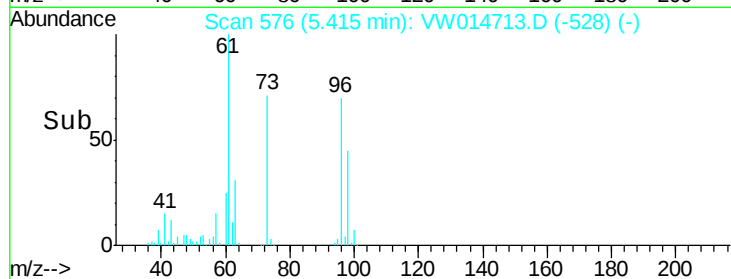
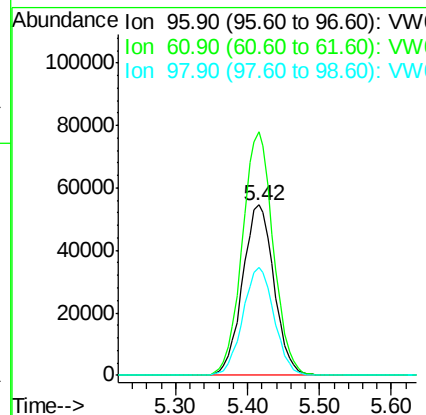
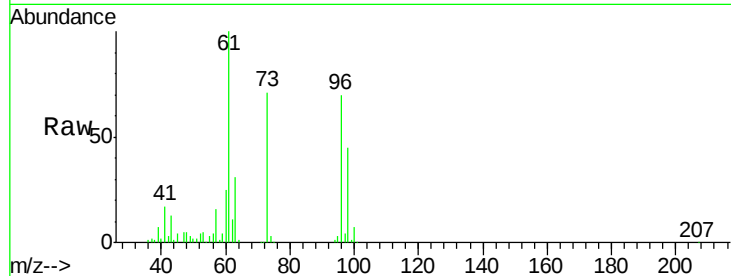
ClientSampleId :

VW0122SBSD01

Tot Ion:	96	Resp:	165413
Ion	Ratio	Lower	Upper
96	100		
61	143.0	107.8	161.6
98	63.7	49.4	74.0

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#22

Diisopropyl ether

Concen: 23.738 ug/l

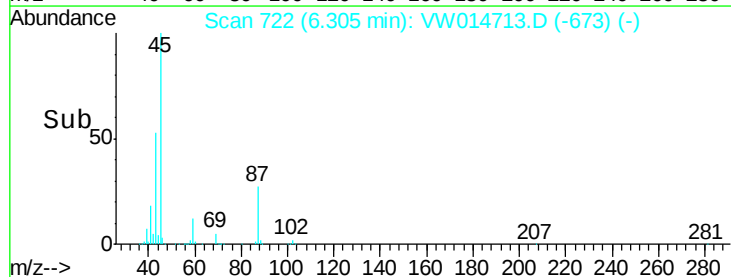
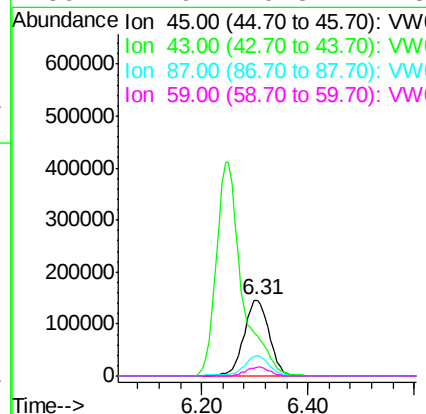
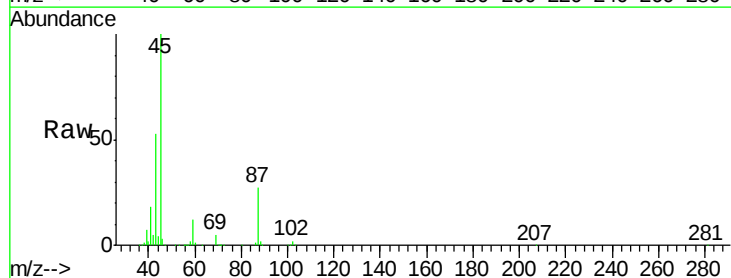
RT: 6.31 min Scan# 722

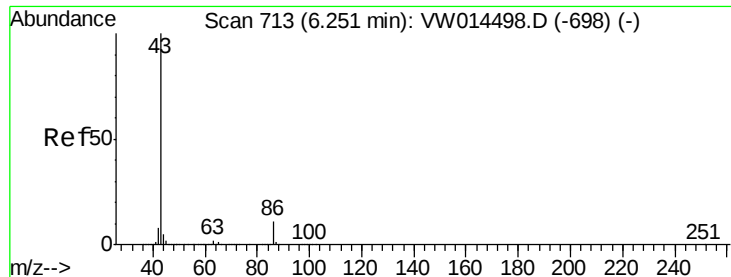
Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	45	Resp:	477800
Ion	Ratio	Lower	Upper
45	100		
43	52.5	41.4	62.0
87	26.9	22.2	33.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 112.605 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 43 Resp: 1368665

Ion Ratio Lower Upper

43 100

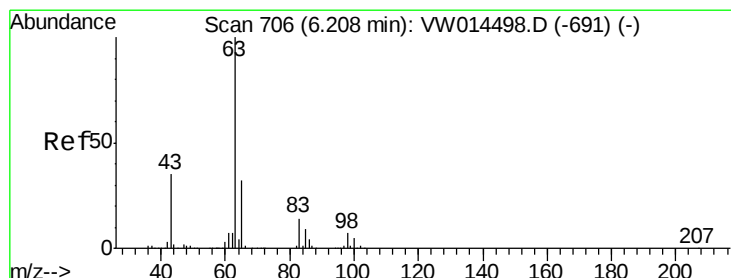
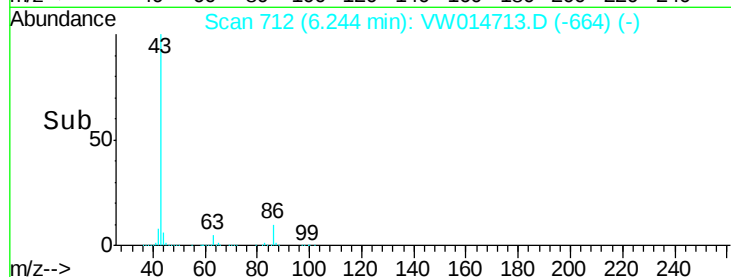
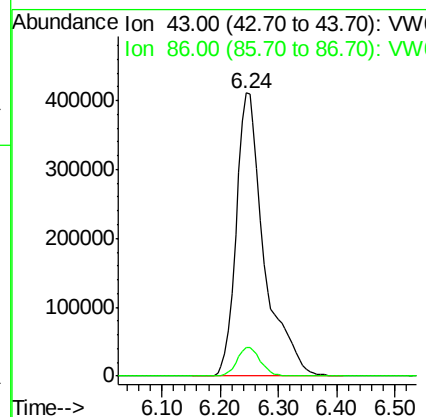
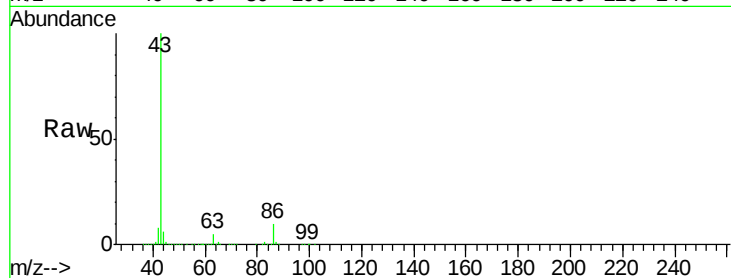
86 10.3 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 22.954 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

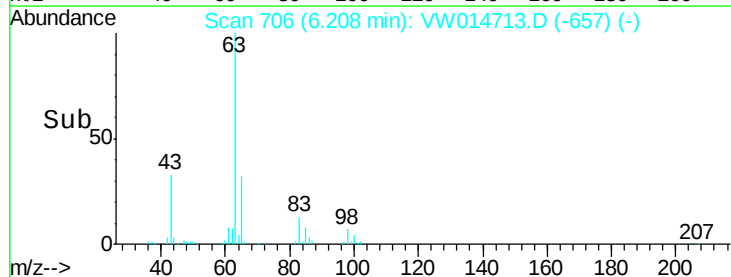
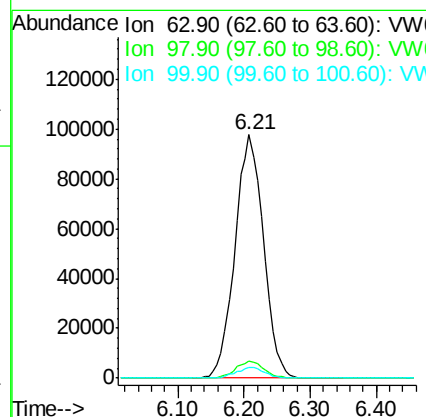
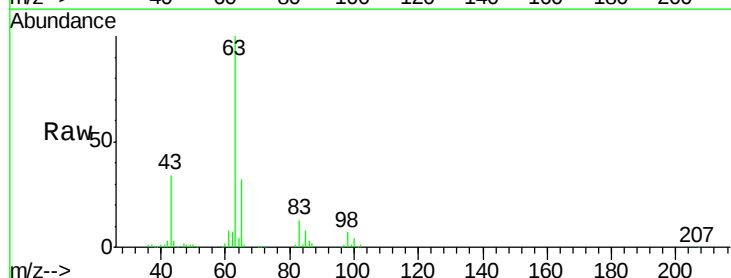
Tgt Ion: 63 Resp: 291441

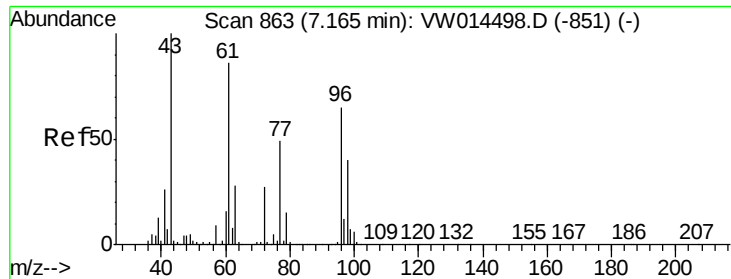
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.2 2.5 7.4





#25

2-Butanone

Concen: 104.604 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 43 Resp: 234352

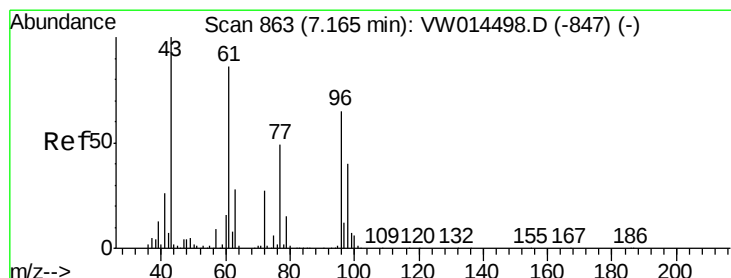
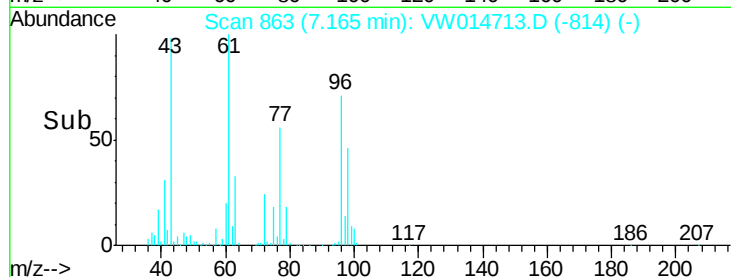
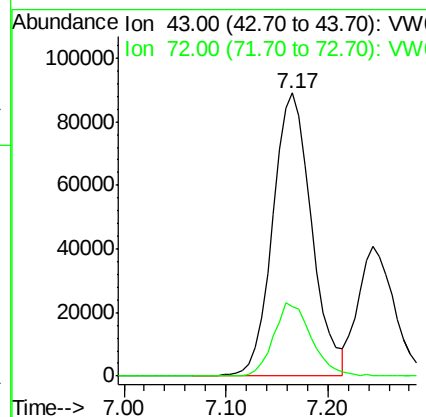
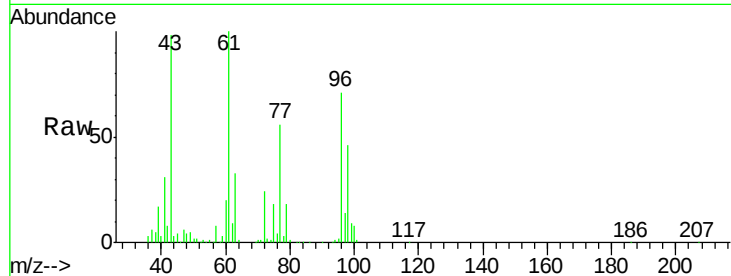
Ion Ratio Lower Upper

43 100

72 24.6 21.9 32.9

Manual Integrations
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1/23/2020 2:33:07 PM



#26

2,2-Dichloropropane

Concen: 23.556 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014713.D

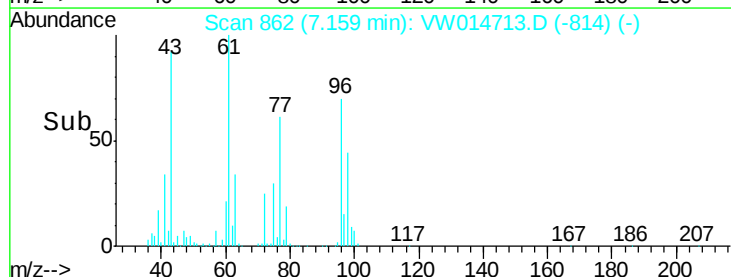
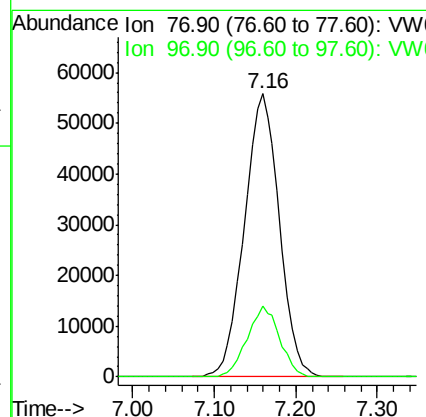
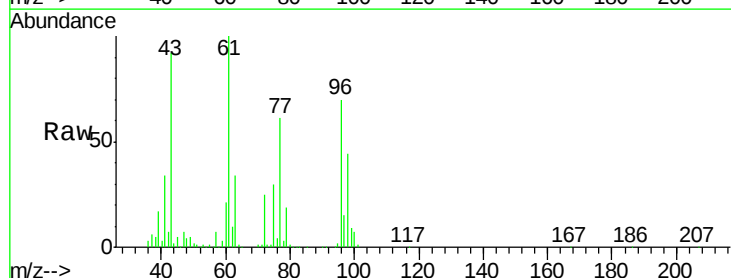
Acq: 22 Jan 2020 15:07

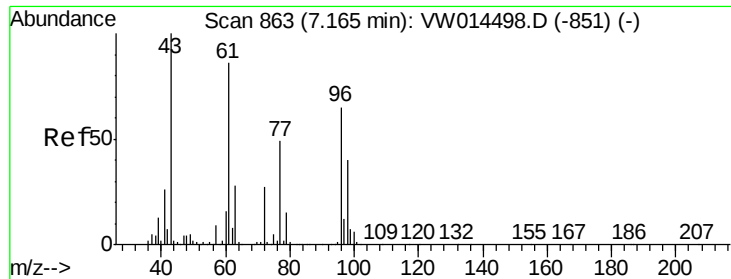
Tgt Ion: 77 Resp: 165584

Ion Ratio Lower Upper

77 100

97 23.3 12.5 37.5





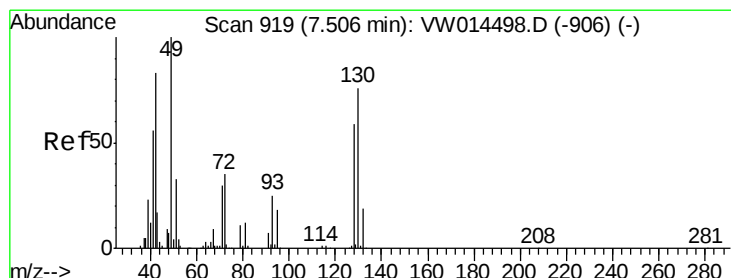
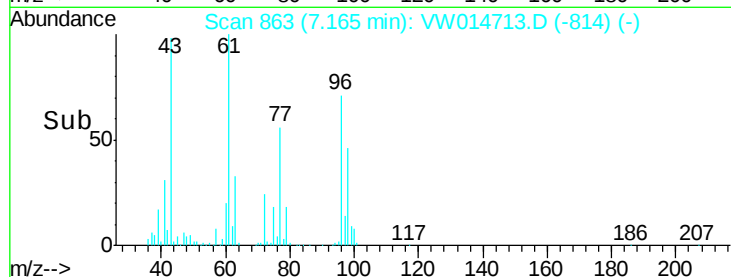
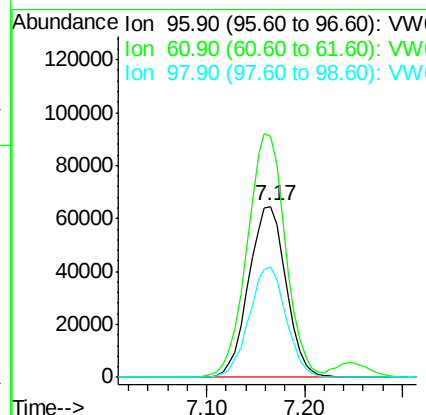
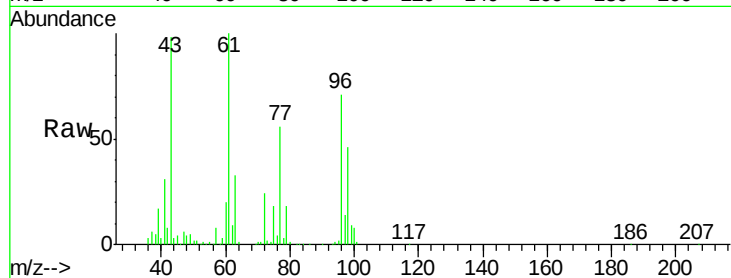
#27
 cis-1,2-Dichloroethene
 Concen: 21.938 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	274.8
98	63.9	0.0	128.6

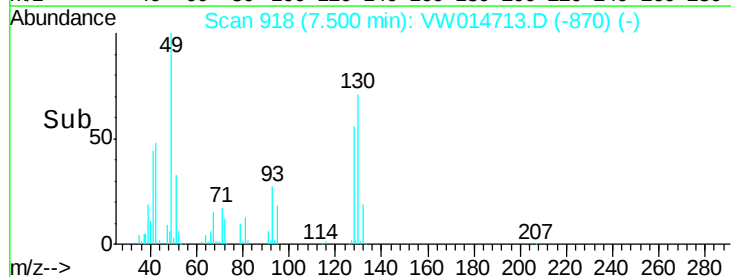
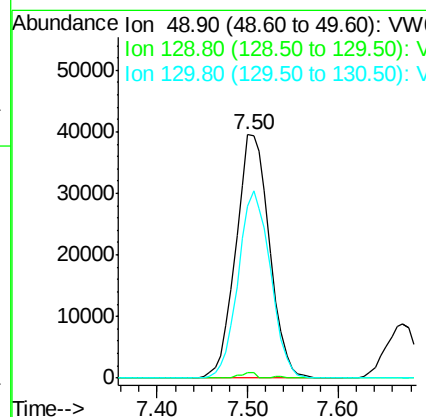
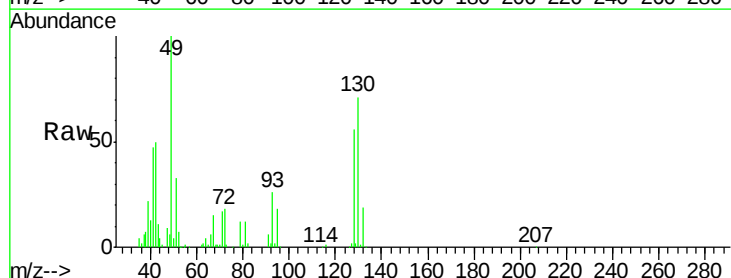
Manual Integrations
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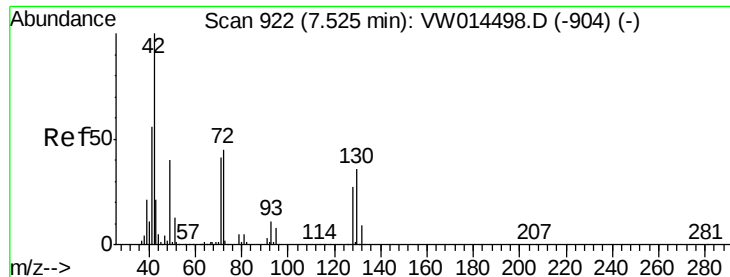
MMDadoda
 1/23/2020 2:33:07 PM



#28
 Bromochloromethane
 Concen: 20.347 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	74.1	62.5	93.7





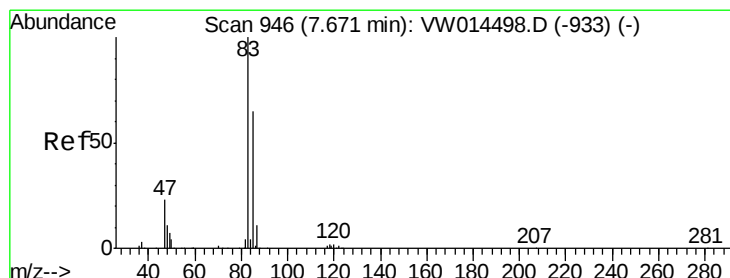
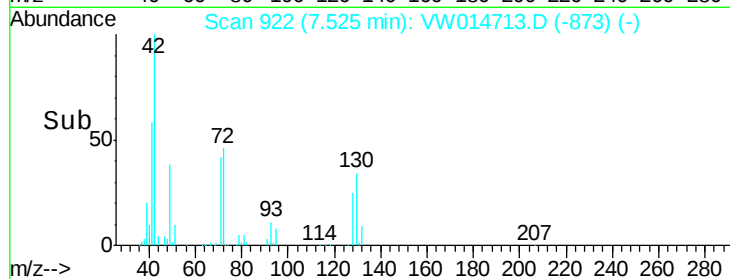
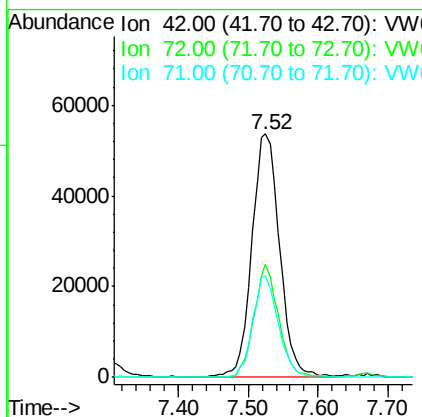
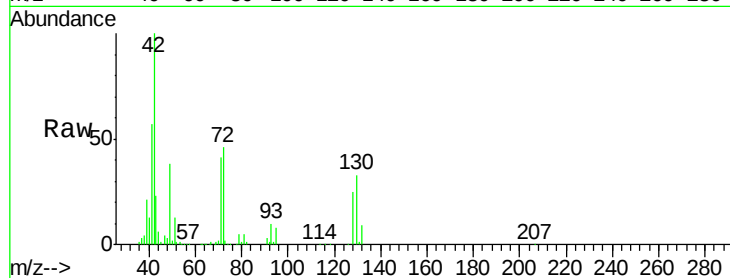
#29
Tetrahydrofuran
Concen: 106.198 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.5	51.7
71	38.7	32.0	48.0

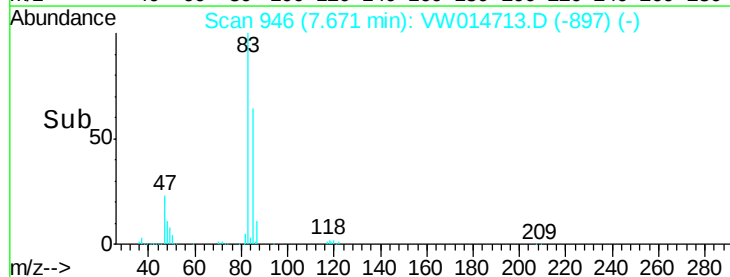
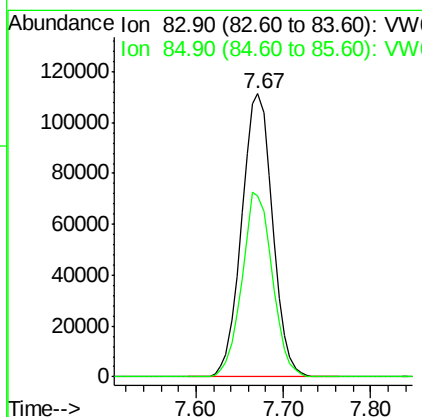
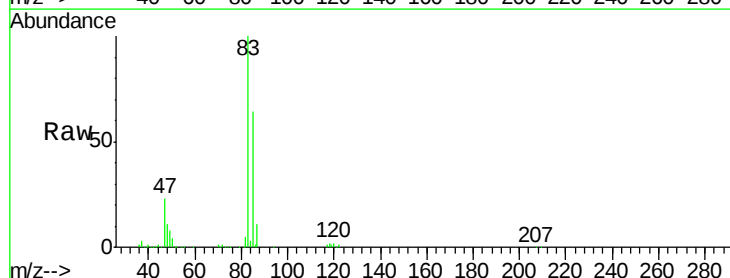
Manual Integrations
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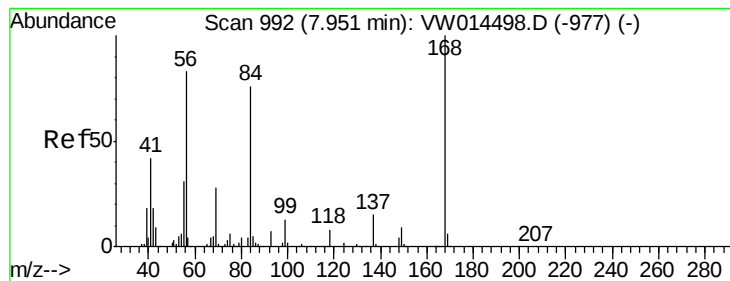
MMDadoda
1/23/2020 2:33:07 PM



#30
Chloroform
Concen: 22.996 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.2





#31

Cvclohexane

Concen: 22.232 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

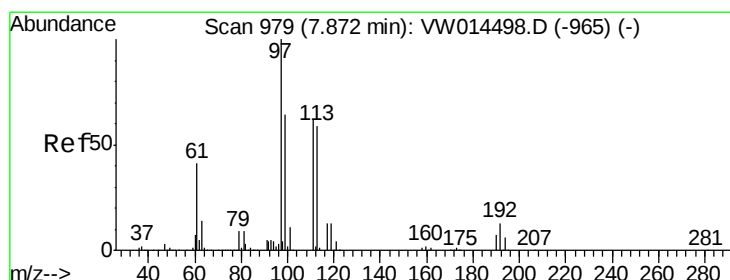
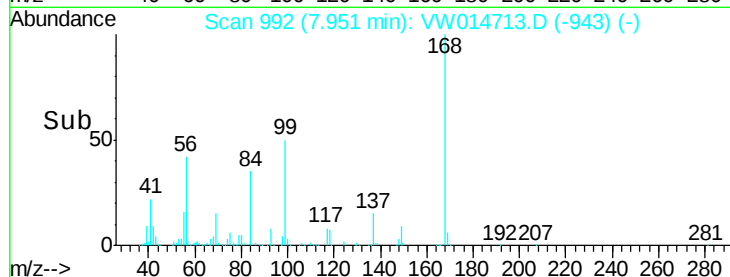
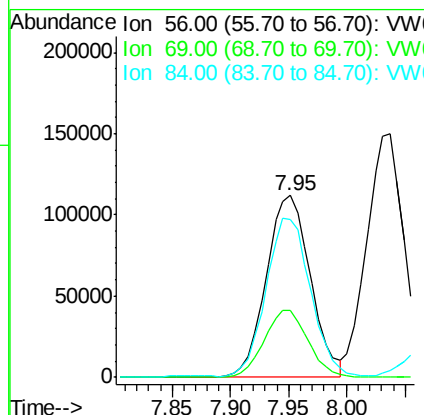
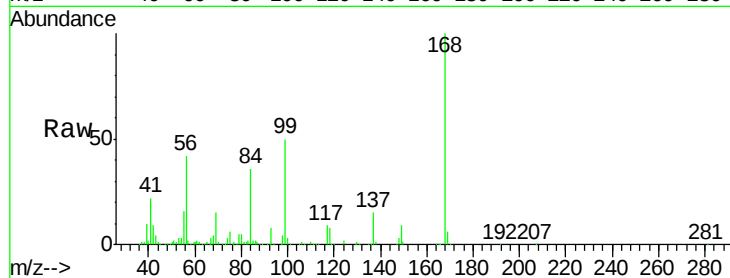
ClientSampleId :

VW0122SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		293348		
69	36.9	26.8	40.2		
84	85.8	71.8	107.6		

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.356 ug/l

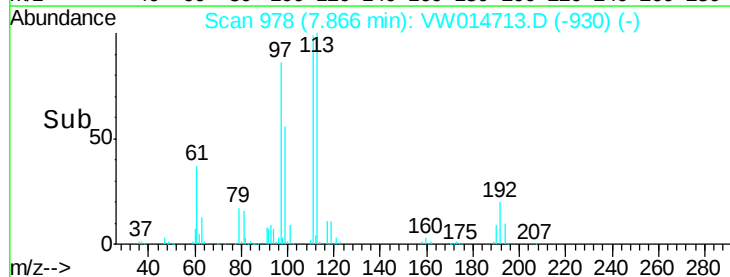
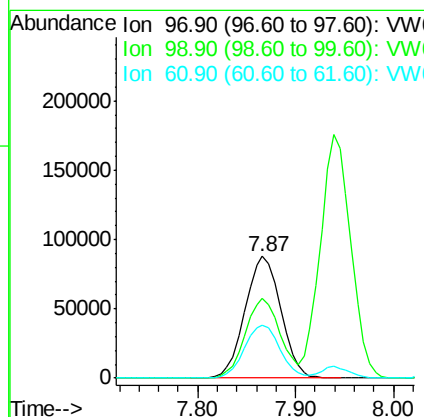
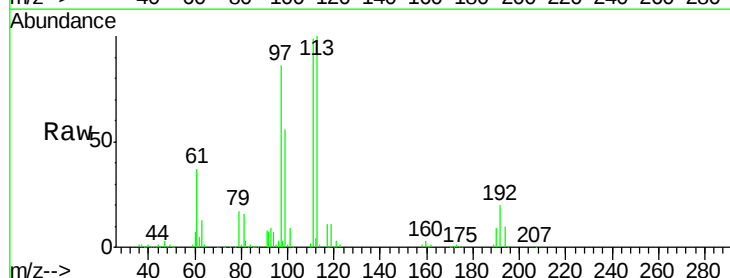
RT: 7.87 min Scan# 978

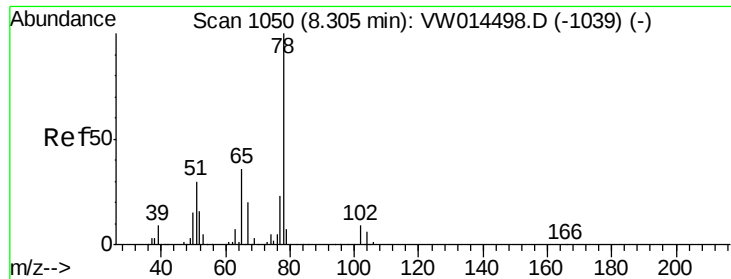
Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		223029		
99	64.4	51.8	77.6		
61	43.7	33.8	50.8		





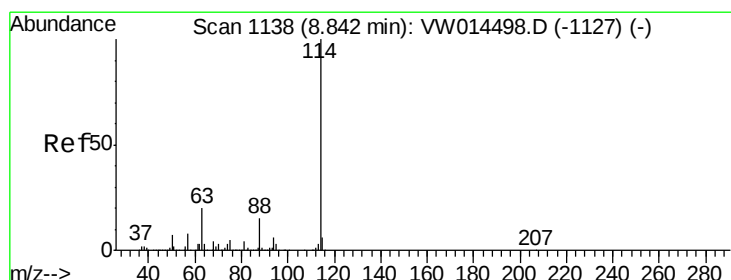
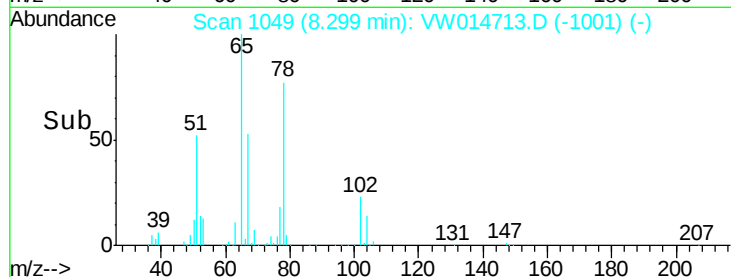
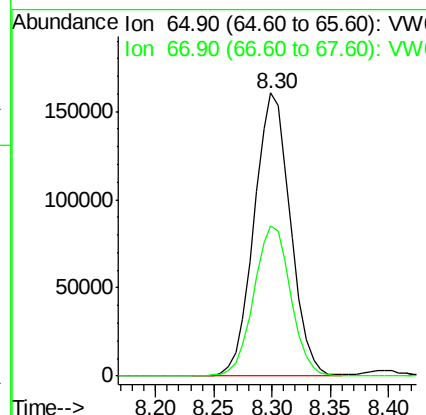
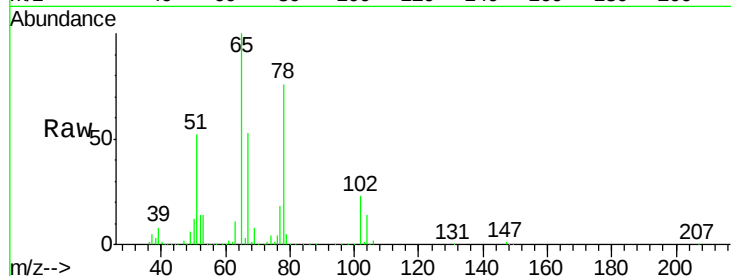
#33
 1,2-Dichloroethane-d4
 Concen: 56.611 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampled :
 VW0122SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	108.4	

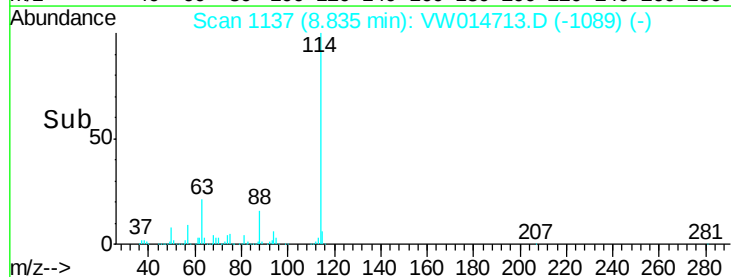
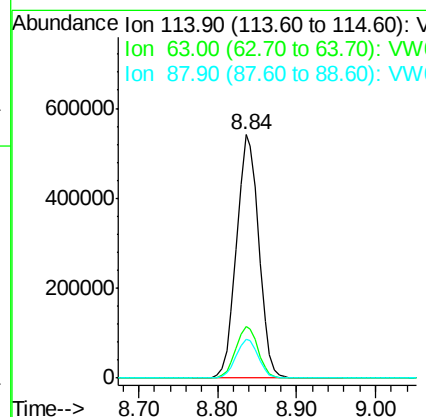
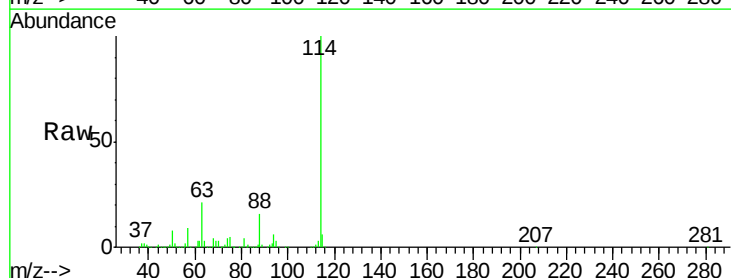
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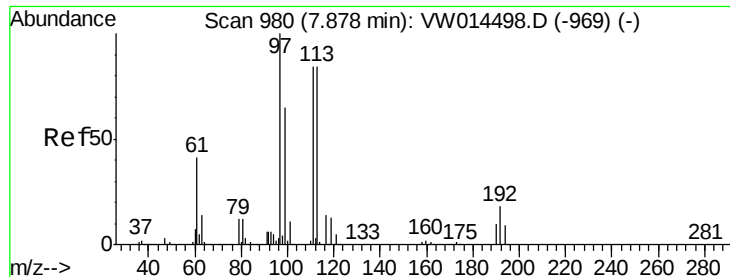
MMDadoda
 1/23/2020 2:33:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	40.4	
88	16.0	0.0	30.6	





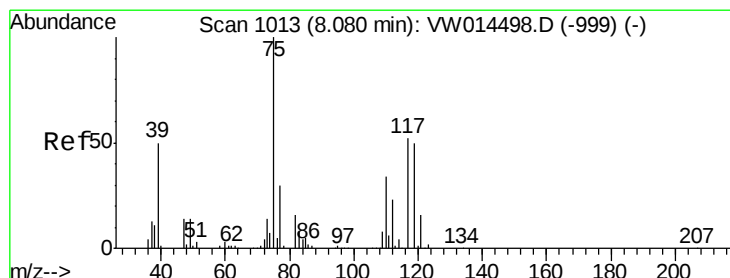
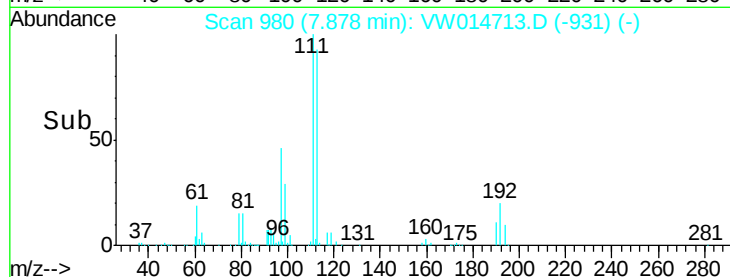
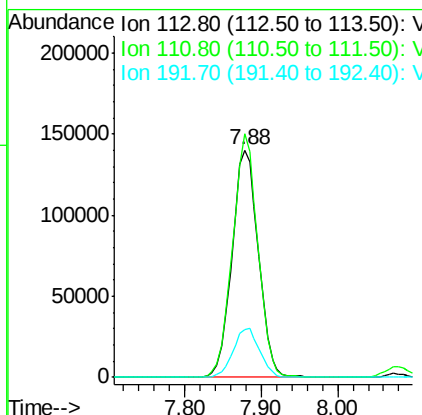
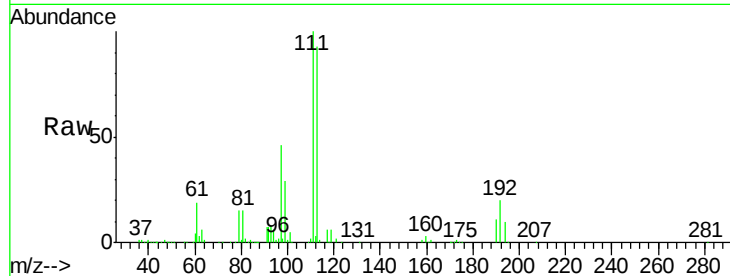
#35
 Dibromofluoromethane
 Concen: 54.930 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.4	122.2	
192	21.7	17.8	26.8	

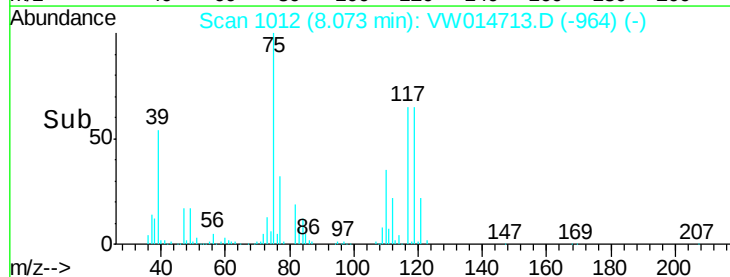
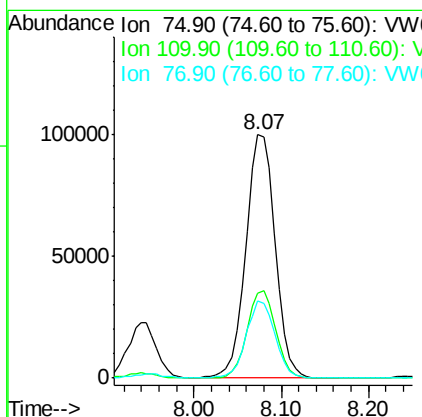
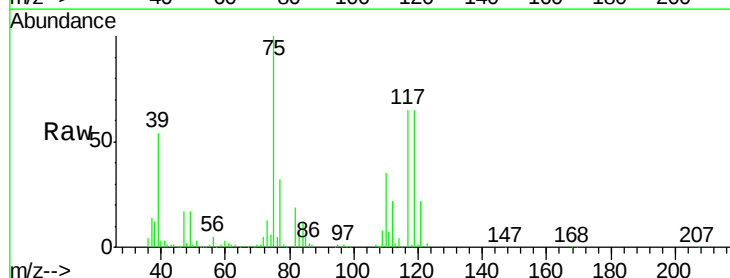
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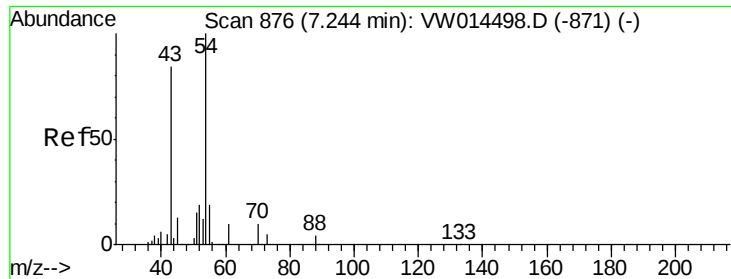
MMDadoda
 1/23/2020 2:33:07 PM



#36
 1,1-Dichloropropene
 Concen: 22.544 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	17.8	53.5	
77	31.3	24.7	37.1	





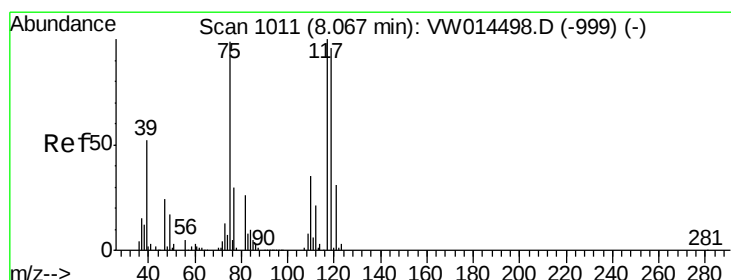
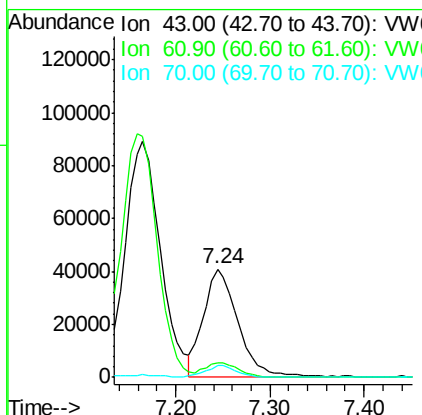
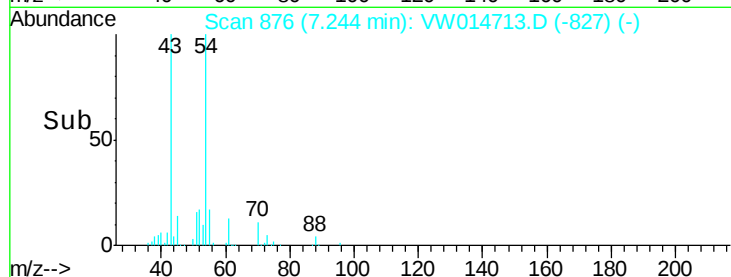
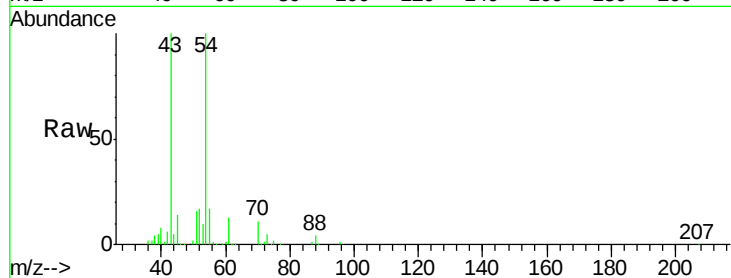
#37
Ethyl Acetate
Concen: 22.062 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	10.2	9.0	13.6

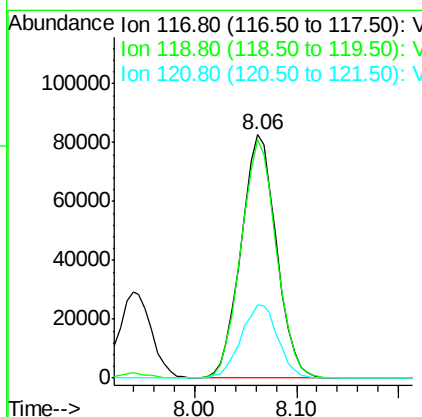
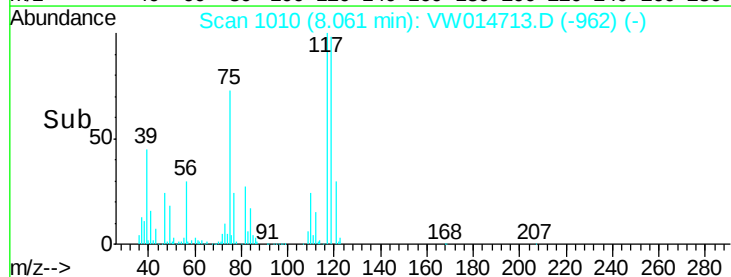
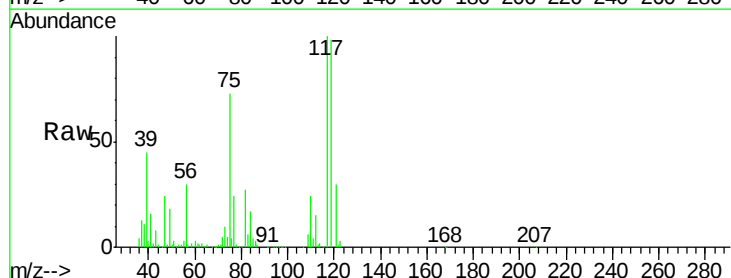
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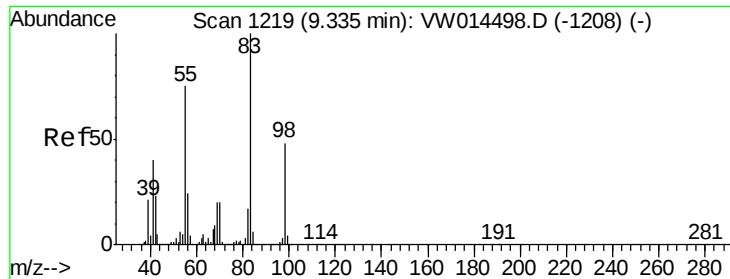
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.447 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.0	115.6
121	30.4	24.6	36.8





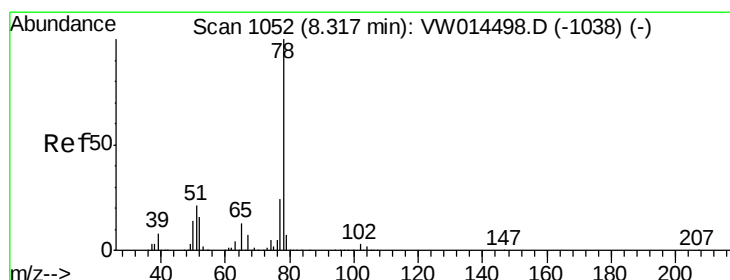
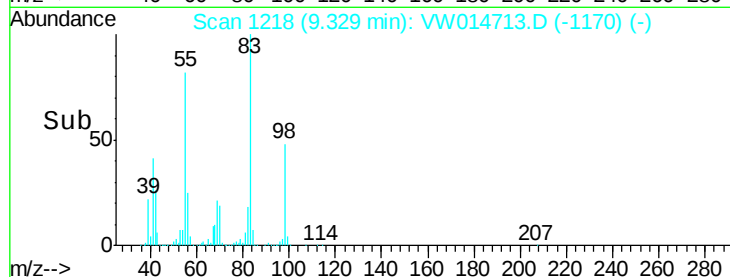
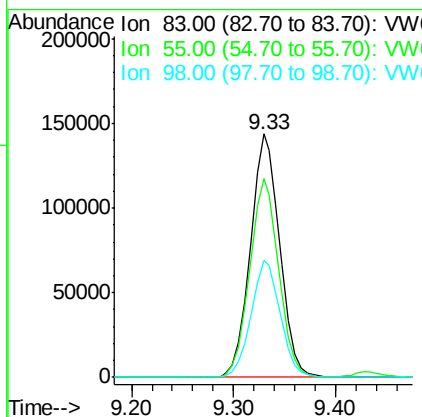
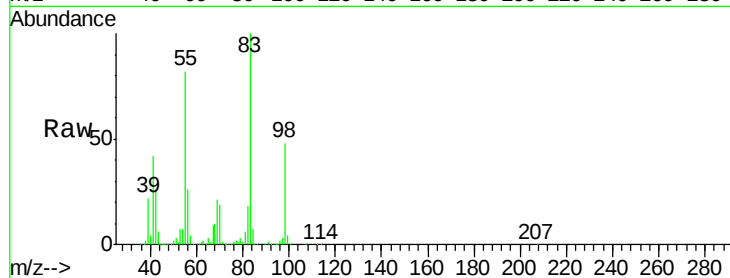
#39
Methvlcvclohexane
Concen: 21.784 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	286751		
55	81.6		60.1	90.1
98	48.3		38.8	58.2

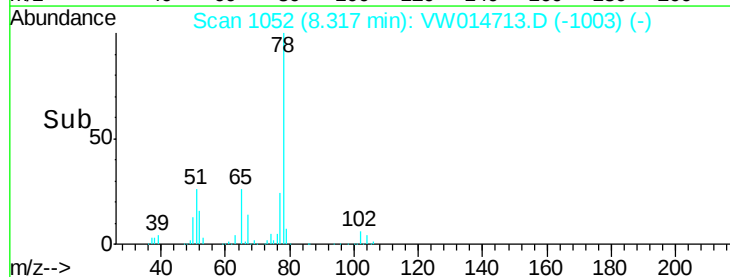
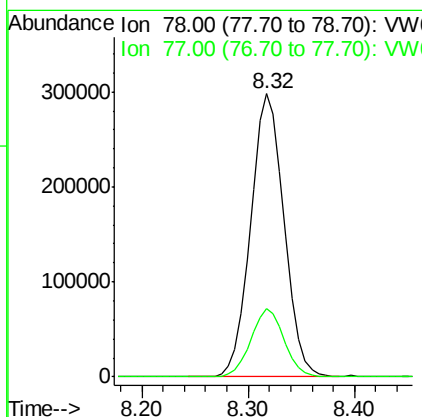
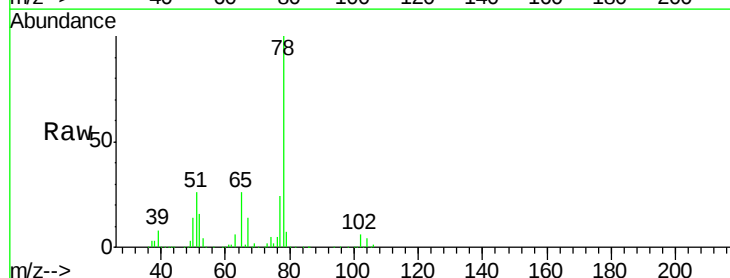
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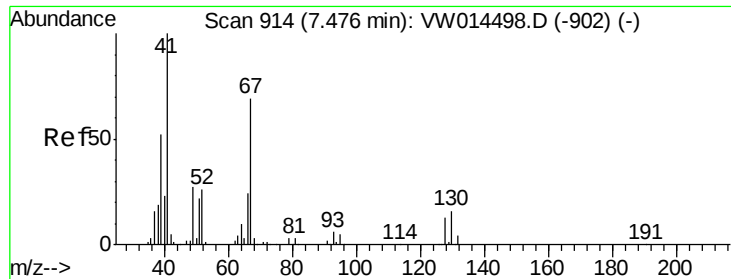
MMDadoda
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#40
Benzene
Concen: 22.575 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	655170		
77	24.2		19.3	28.9





#41

Methacrylonitrile

Concen: 24.079 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

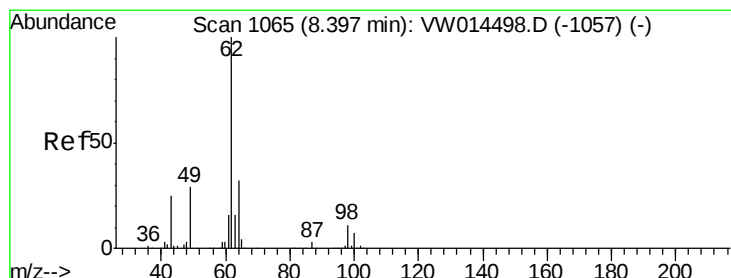
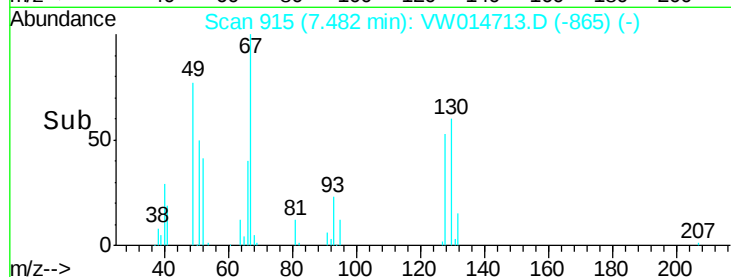
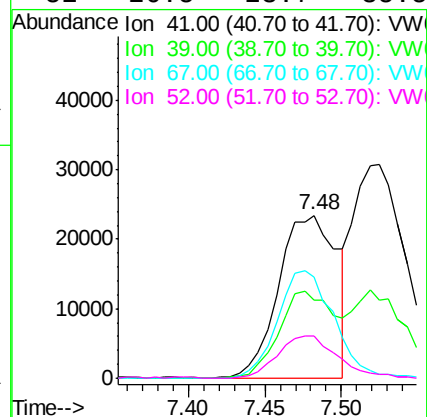
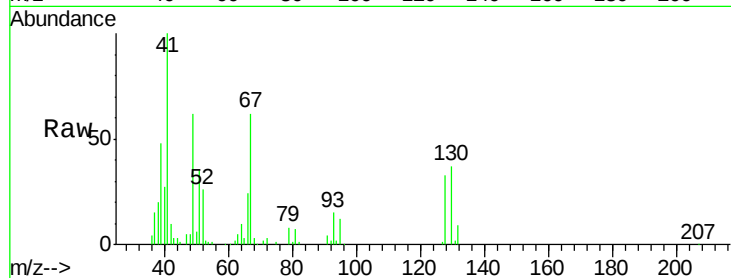
ClientSampleId :

VW0122SBS01

Tot Ion:	41	Resp:	62444
Ion	Ratio	Lower	Upper
41	100		
39	50.8	46.0	69.0
67	63.8	60.8	91.2
52	26.5	23.7	35.5

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#42

1,2-Dichloroethane

Concen: 22.848 ug/l

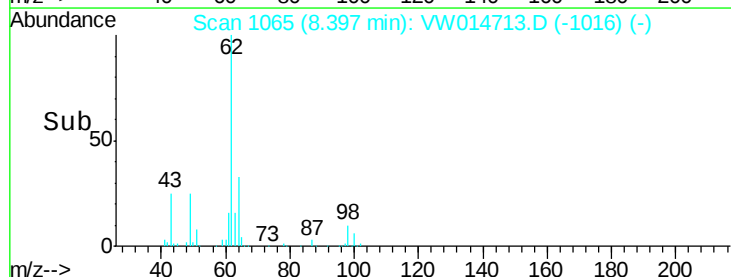
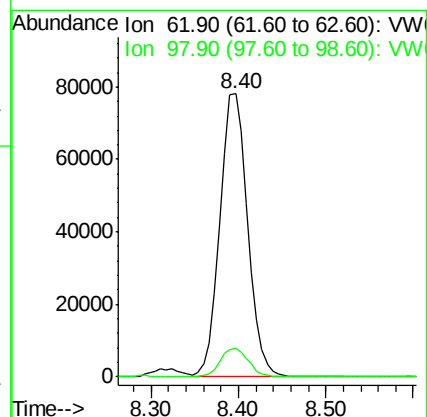
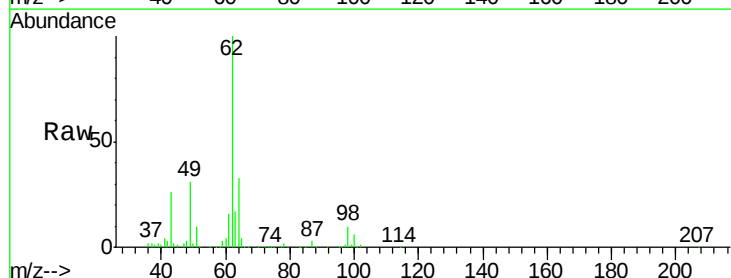
RT: 8.40 min Scan# 1065

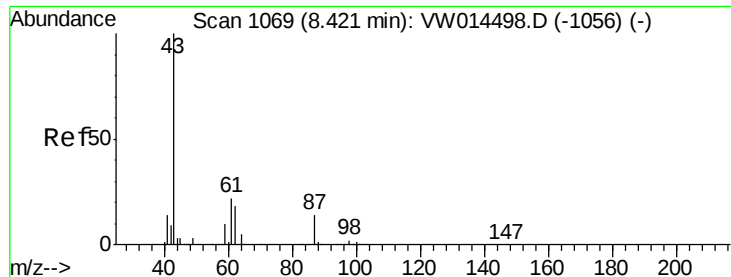
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	62	Resp:	172079
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.0





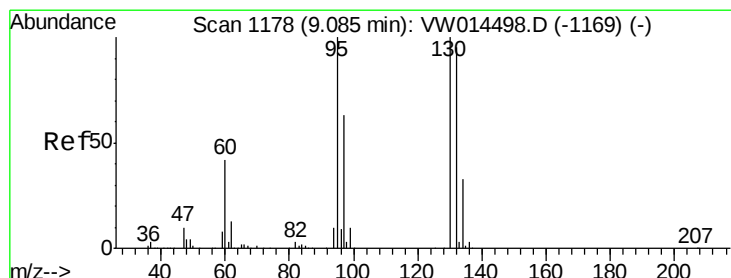
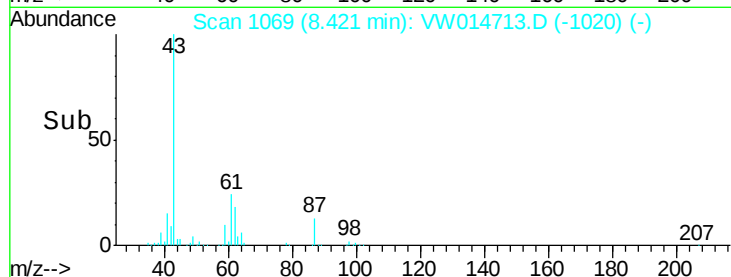
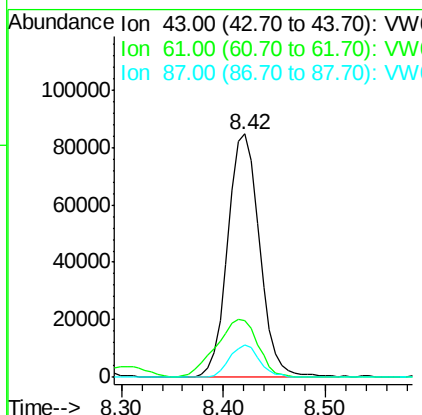
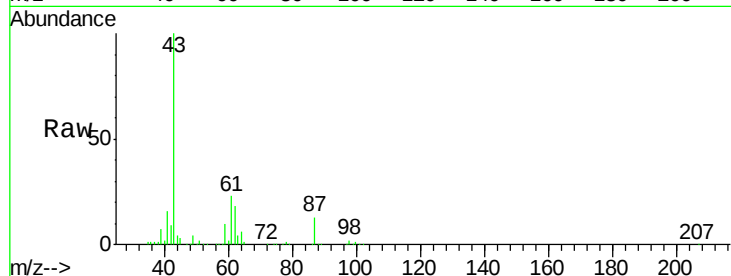
#43
Isopropyl Acetate
Concen: 21.621 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.7	37.1
87	13.0	11.1	16.7

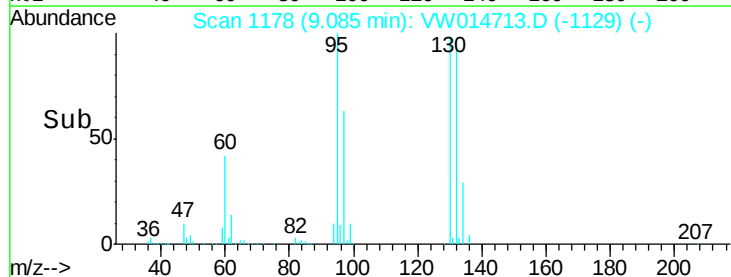
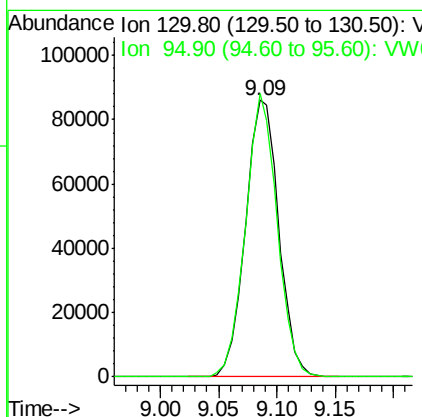
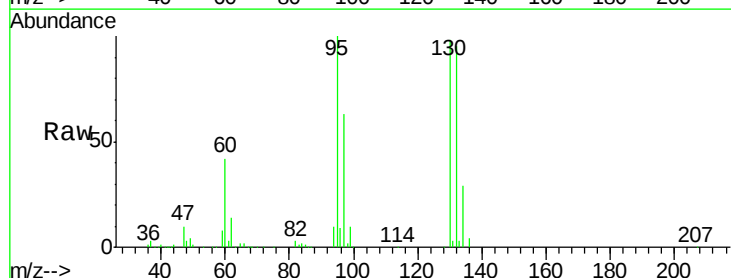
Manual Integrations
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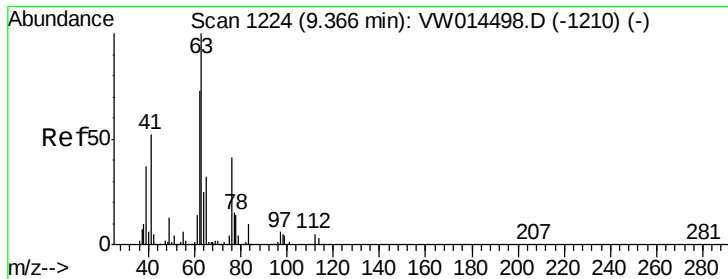
MMDadoda
1/23/2020 2:33:07 PM



#44
Trichloroethene
Concen: 21.915 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 22.789 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tot Ion: 63 Resp: 162297

Ion Ratio Lower Upper

63 100

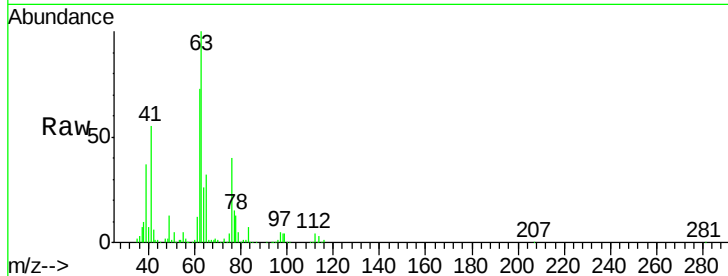
65 31.5 25.6 38.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

80000

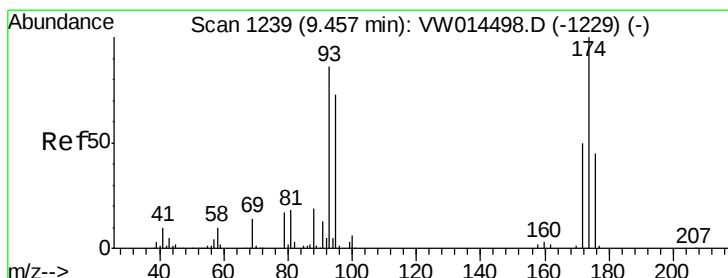
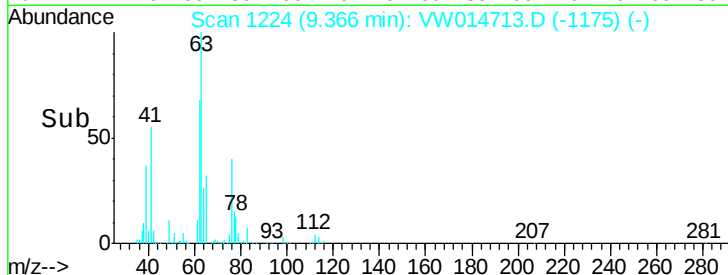
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 21.831 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

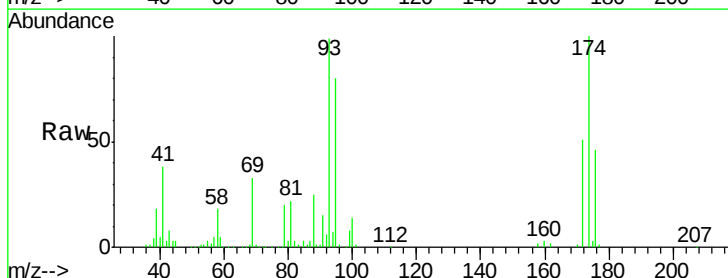
Tgt Ion: 93 Resp: 76754

Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

174 108.4 89.1 133.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.45

60000

50000

40000

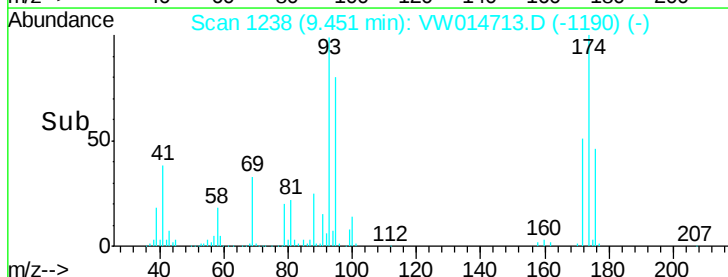
30000

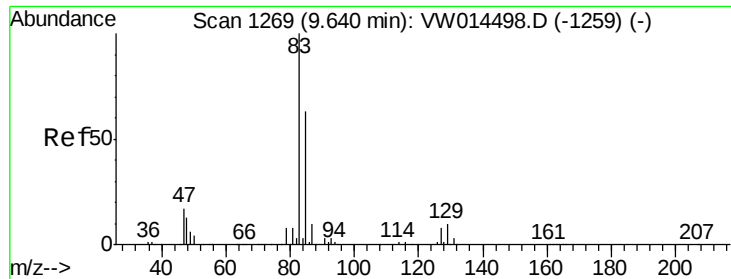
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 22.517 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

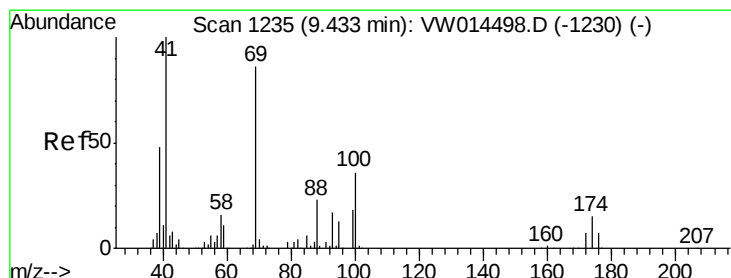
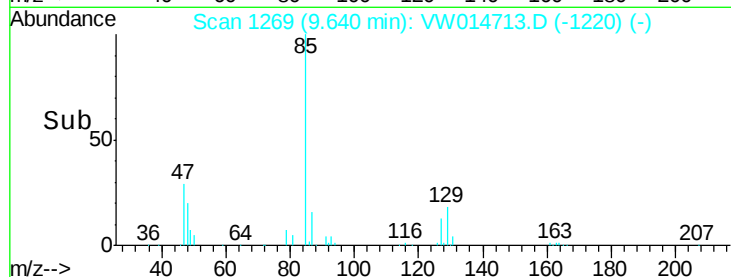
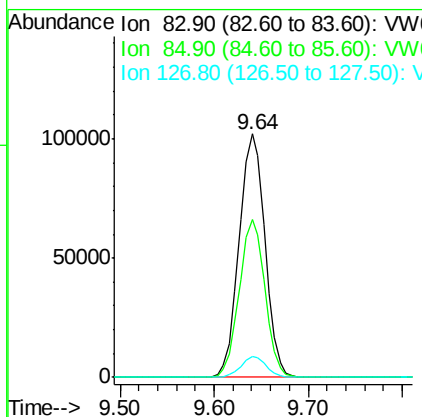
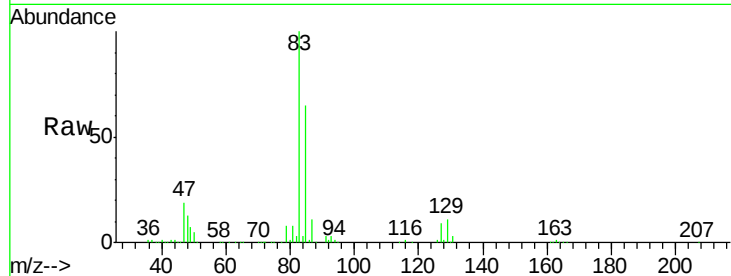
ClientSampleId :

VW0122SBSD01

Tot Ion:	83	Resp:	195445
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.6	76.0
127	8.6	6.6	9.8

Manual Integrations
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1/23/2020 2:33:07 PM



#48

Methyl methacrylate

Concen: 21.535 ug/l

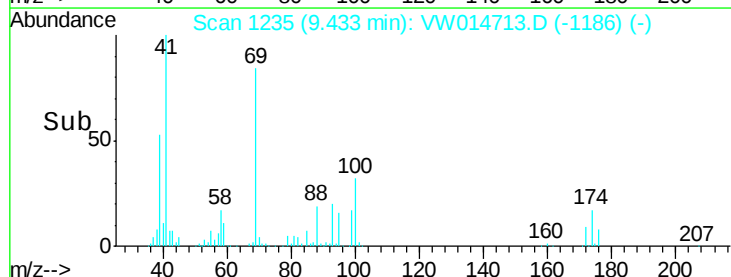
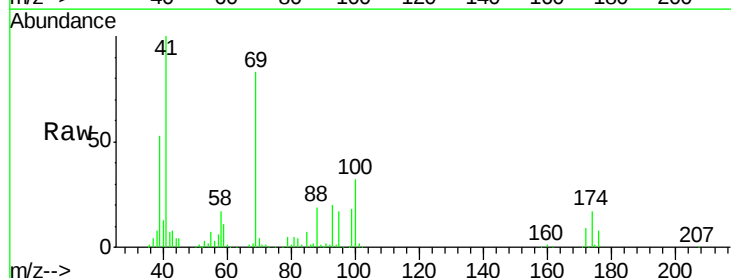
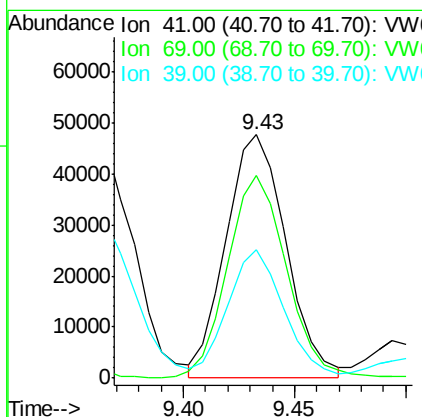
RT: 9.43 min Scan# 1235

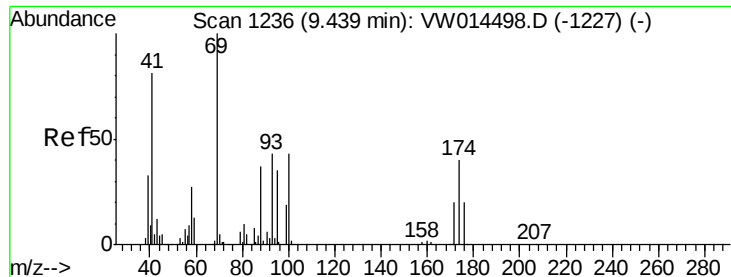
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	41	Resp:	88821
Ion Ratio	Lower	Upper	
41	100		
69	82.7	68.3	102.5
39	46.3	36.8	55.2





#49

1,4-Dioxane

Concen: 397.704 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

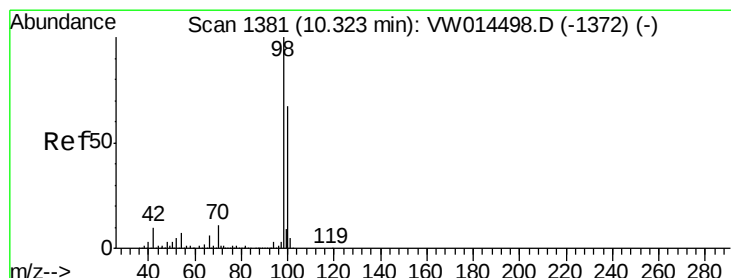
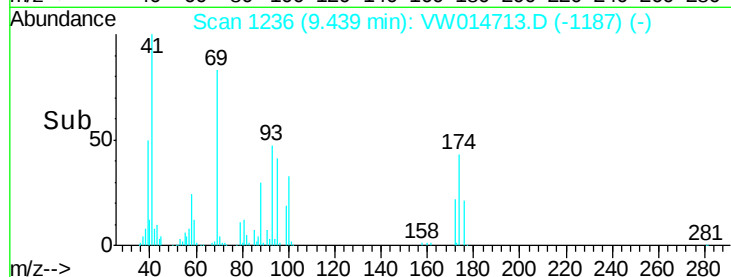
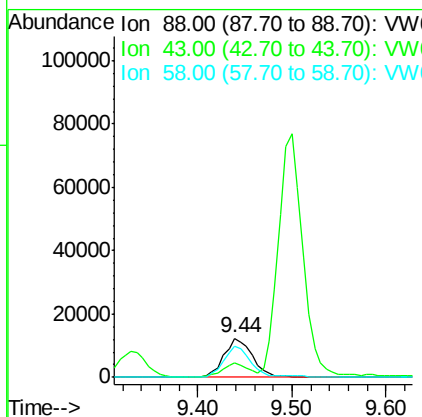
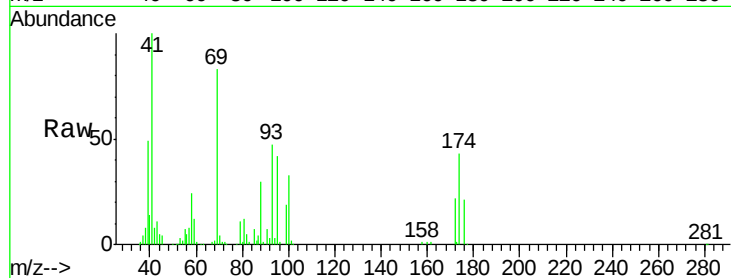
ClientSampleId :

VW0122SBS01

Tot Ion:	88	Resp:	26152
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.9	37.3
58	77.7	56.9	85.3

Manual Integrations
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#50

Toluene-d8

Concen: 54.434 ug/l

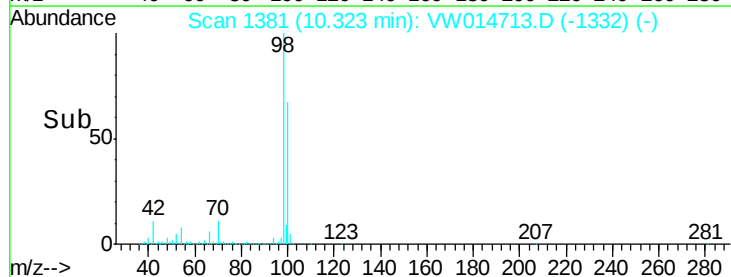
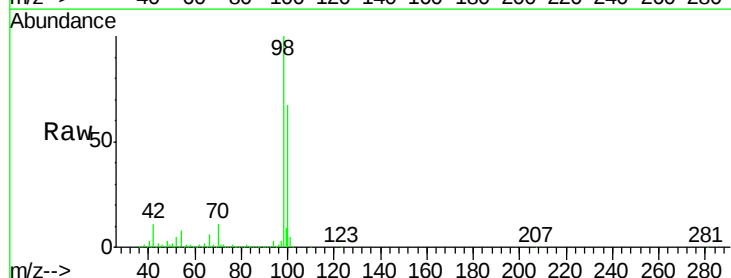
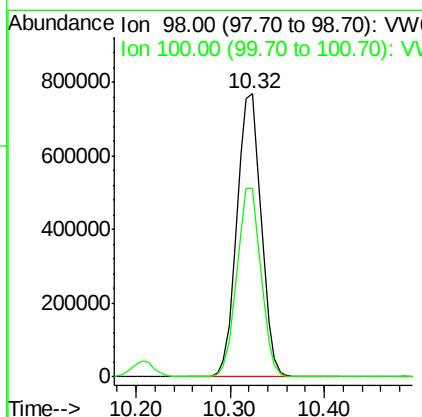
RT: 10.32 min Scan# 1381

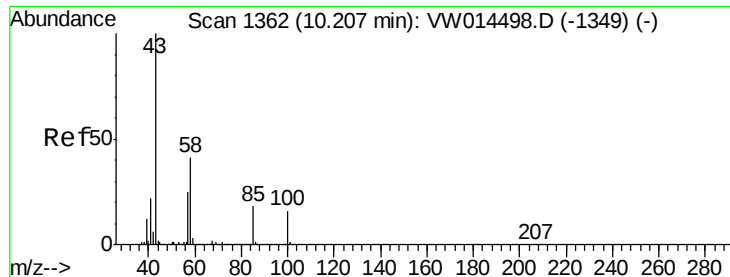
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	98	Resp:	1381405
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 108.038 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 43 Resp: 473954

Ion Ratio Lower Upper

43 100

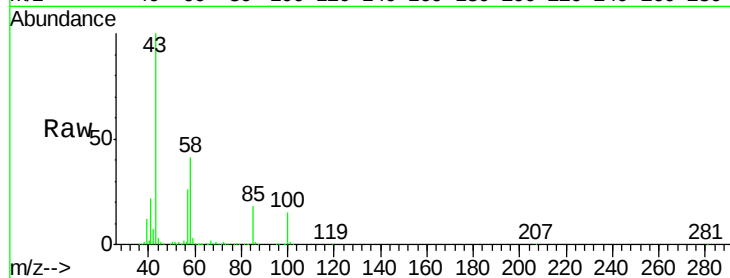
58 40.0 32.7 49.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

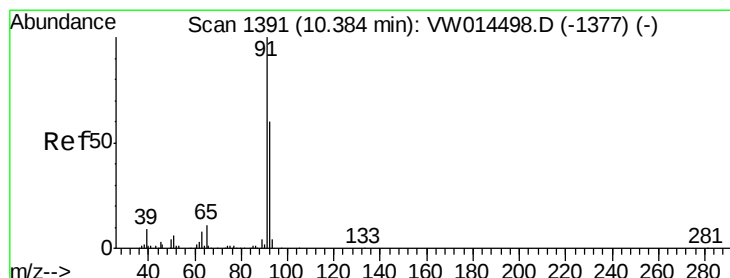
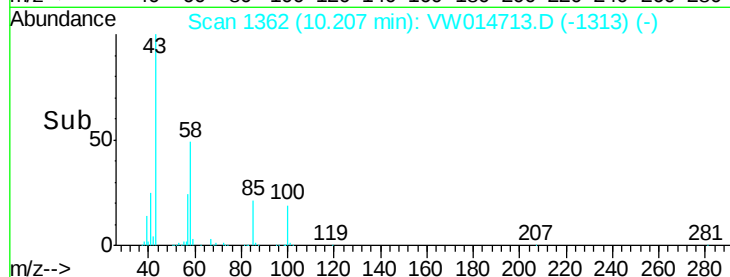
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 22.543 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014713.D

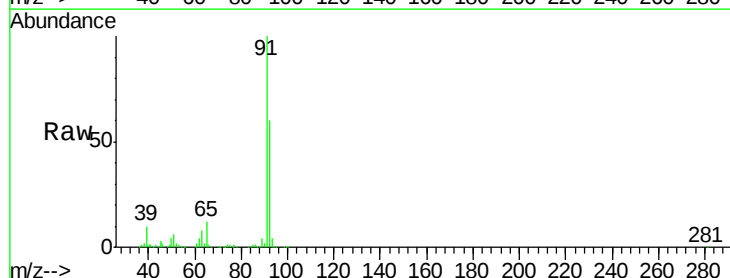
Acq: 22 Jan 2020 15:07

Tgt Ion: 92 Resp: 411591

Ion Ratio Lower Upper

92 100

91 169.0 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

400000

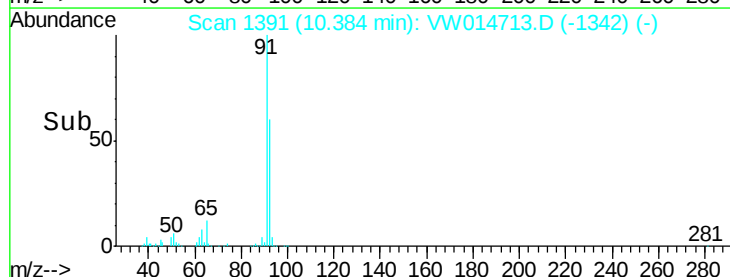
300000

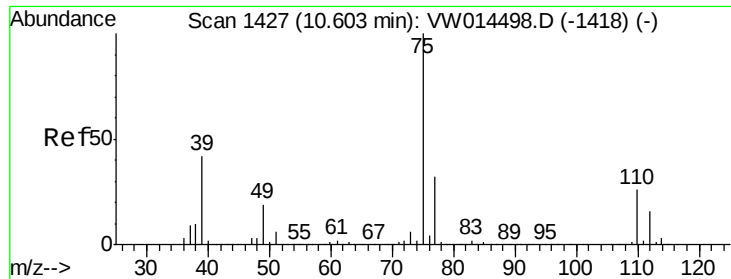
200000

100000

0

Time--> 10.30 10.40





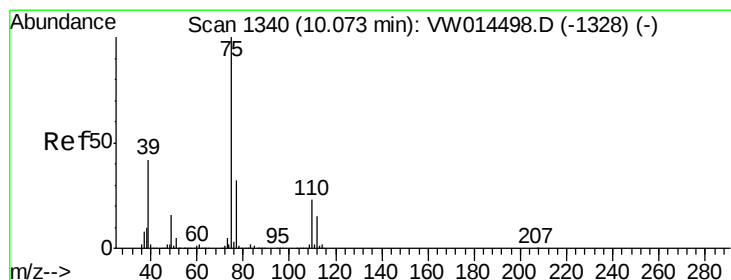
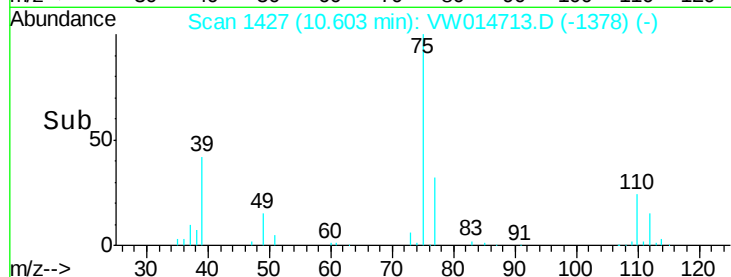
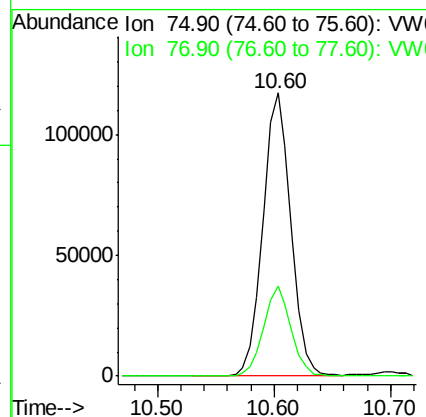
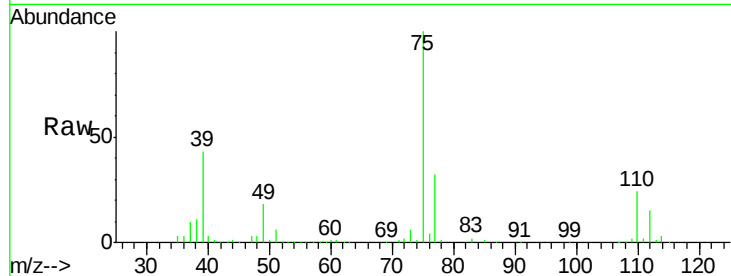
#53
t-1,3-Dichloropropene
Concen: 21.766 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

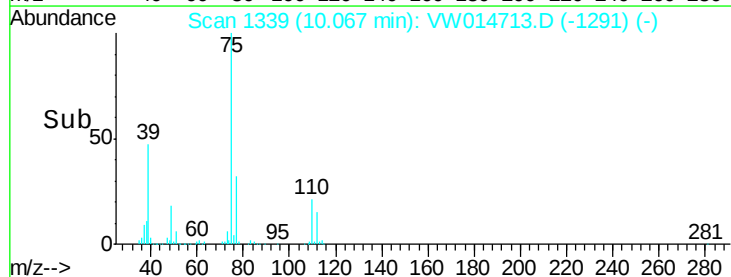
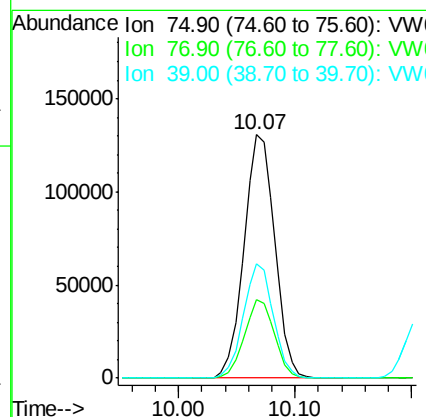
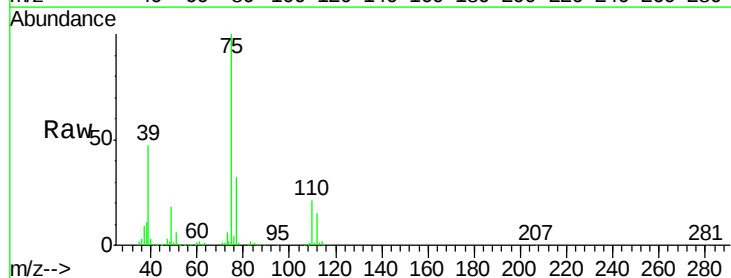
Manual Integrations
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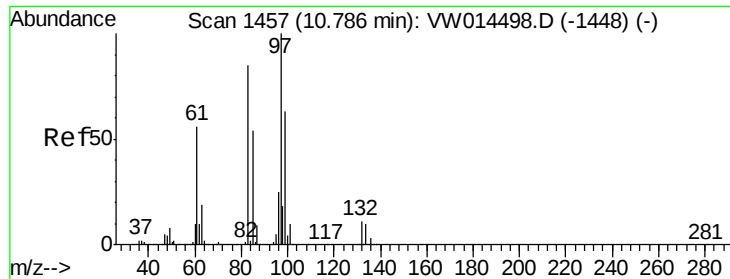
MMDadoda
1/23/2020 2:33:07 PM



#54
cis-1,3-Dichloropropene
Concen: 21.964 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	47.1	33.4	50.2





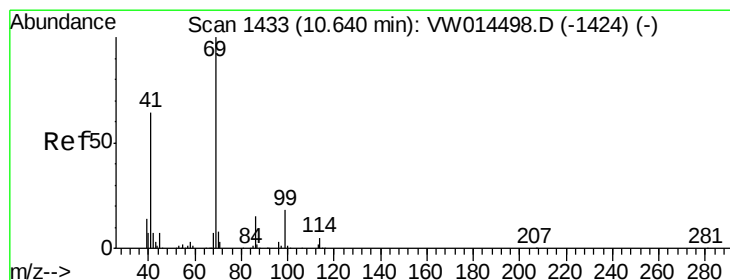
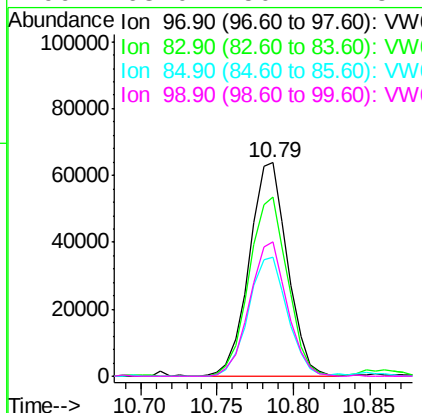
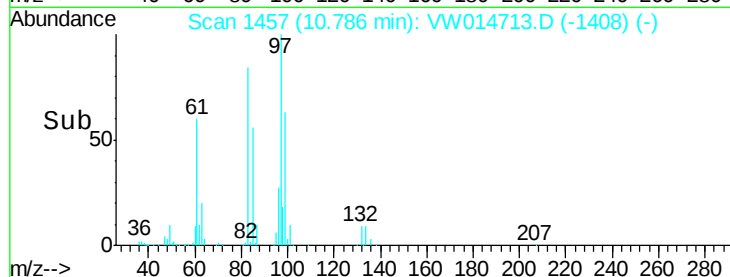
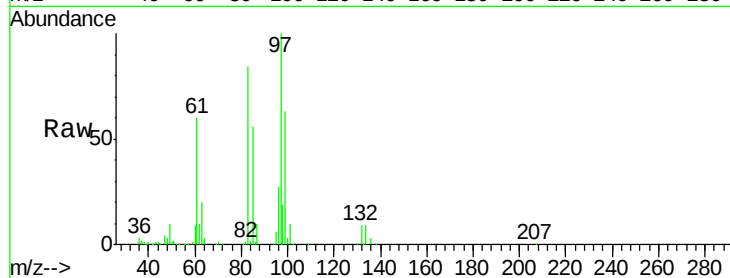
#55
 1,1,2-Trichloroethane
 Concen: 21.647 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion:	97	Resp:	111149
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.2	102.4
85	55.6	43.0	64.4
99	63.0	50.1	75.1

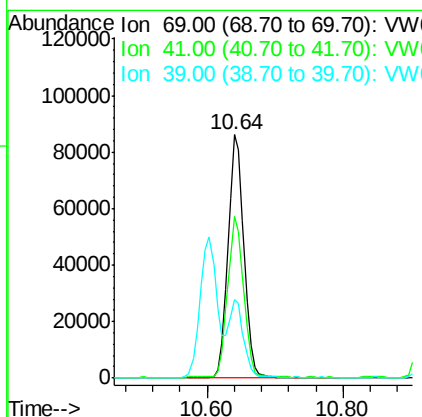
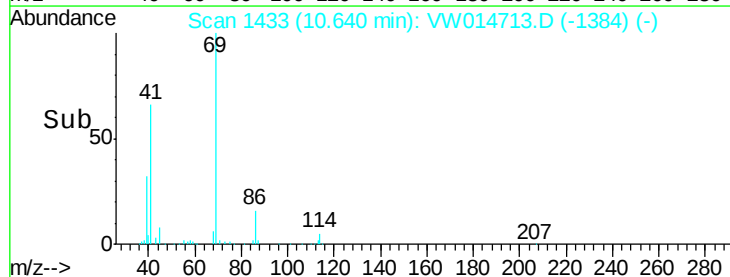
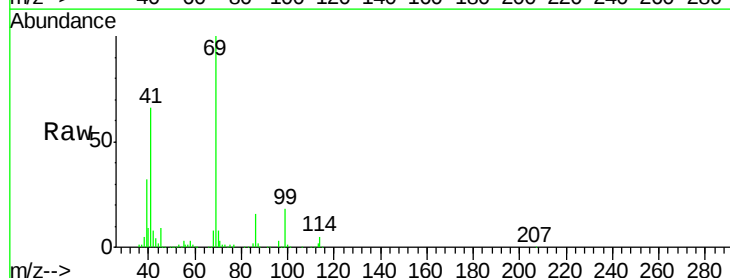
Manual Integrations
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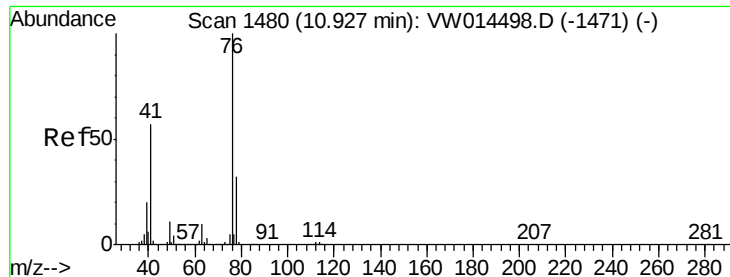
MMDadoda
 1/23/2020 2:33:07 PM



#56
 Ethyl methacrylate
 Concen: 21.019 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion:	69	Resp:	140264
Ion	Ratio	Lower	Upper
69	100		
41	67.6	51.3	76.9
39	27.9	21.0	31.6





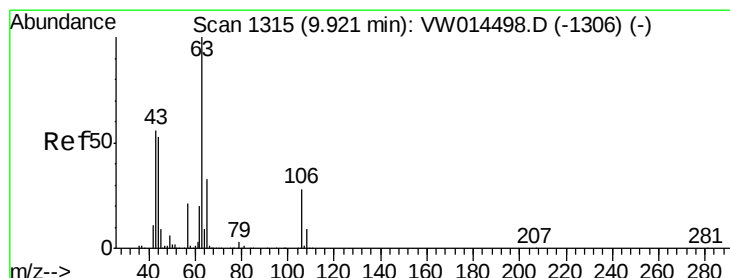
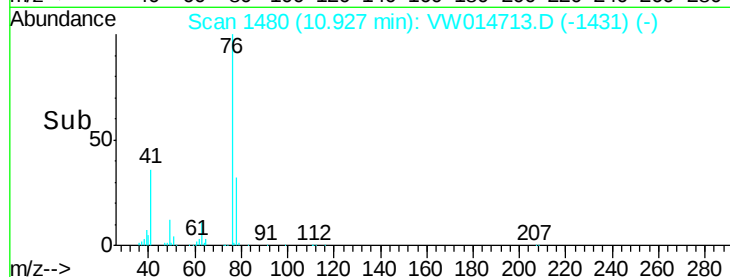
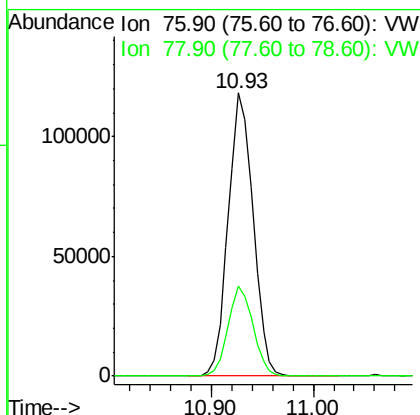
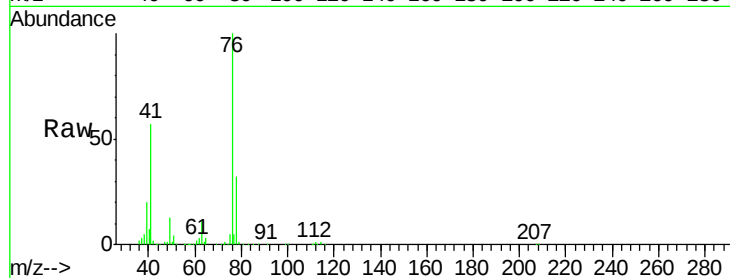
#57
 1,3-Dichloropropane
 Concen: 22.127 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.9	38.9

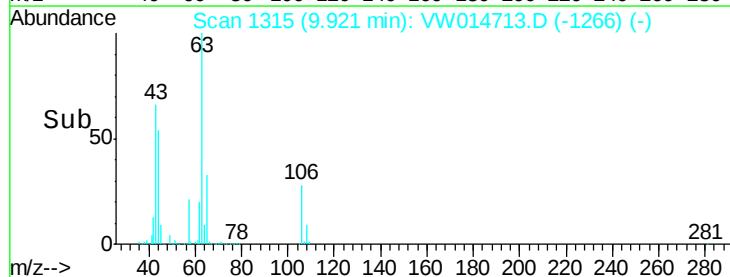
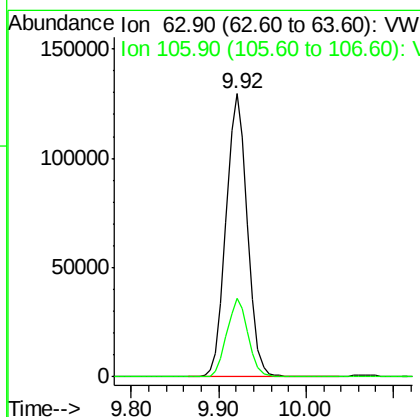
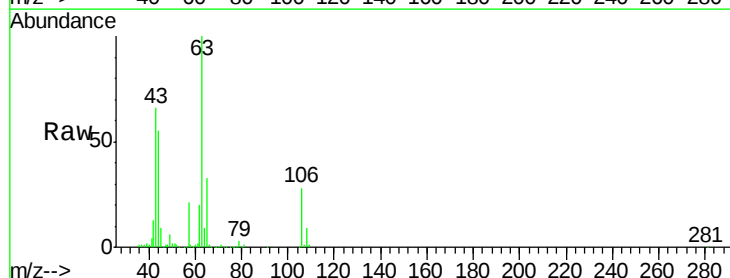
Manual Integrations
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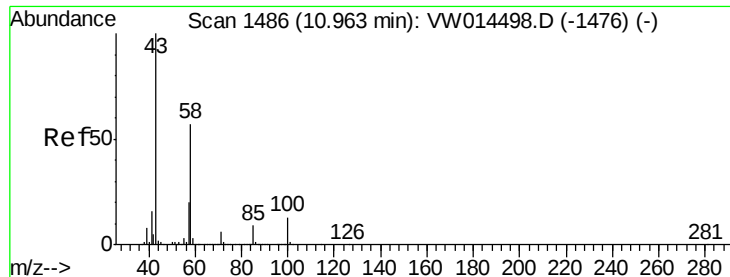
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 1/23/2020 2:33:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.807 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	23.0	34.6





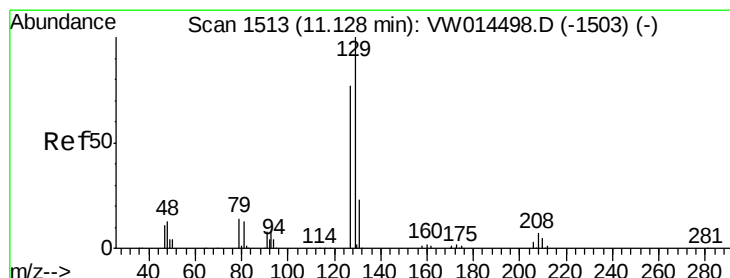
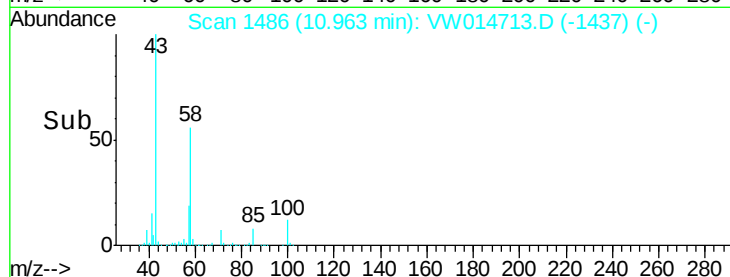
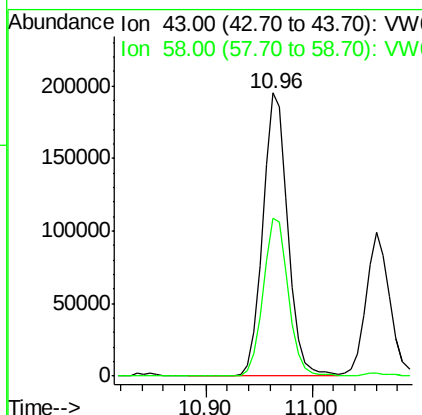
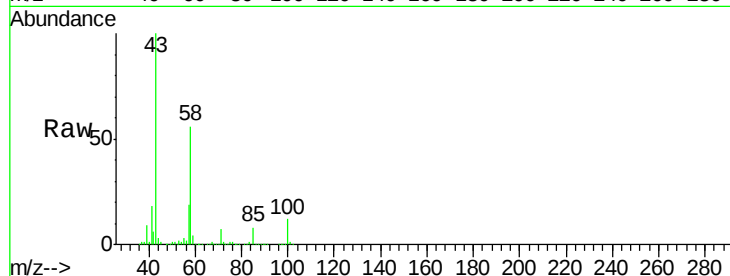
#59
2-Hexanone
Concen: 105.935 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion: 43 Resp: 320239
Ion Ratio Lower Upper
43 100
58 56.2 28.7 86.3

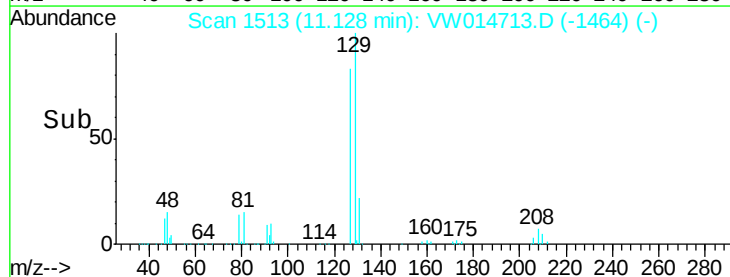
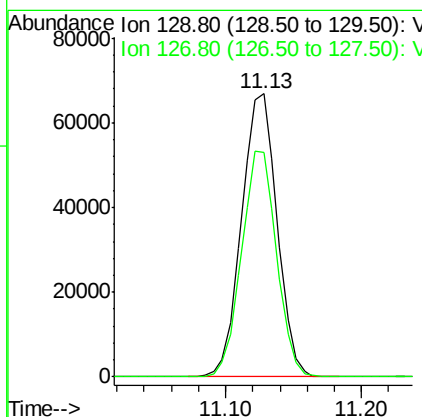
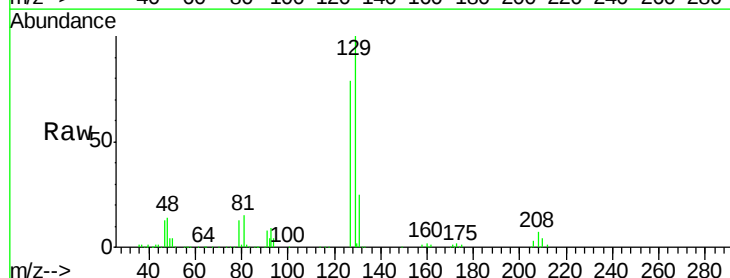
Manual Integrations
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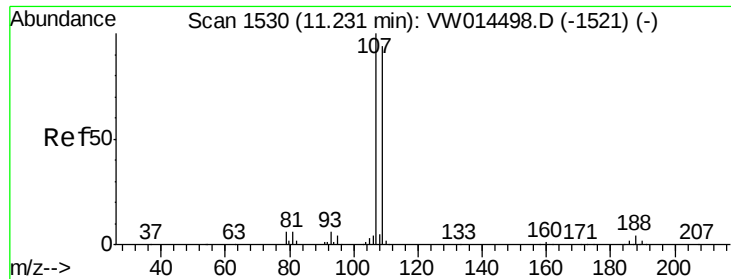
MMDadoda
1/23/2020 2:33:07 PM



#60
Dibromochloromethane
Concen: 21.110 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion:129 Resp: 122301
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





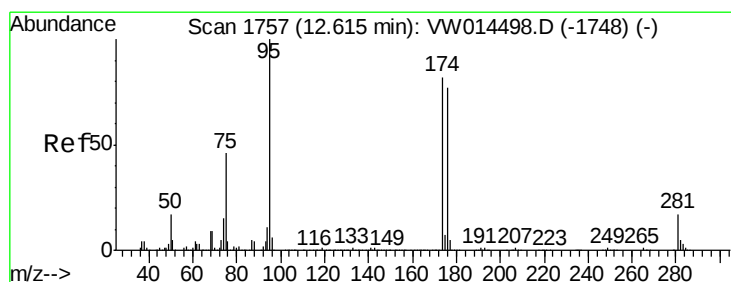
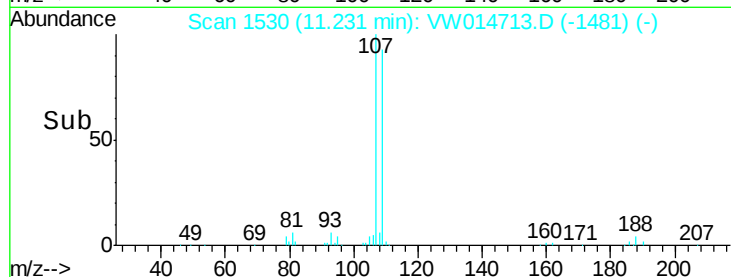
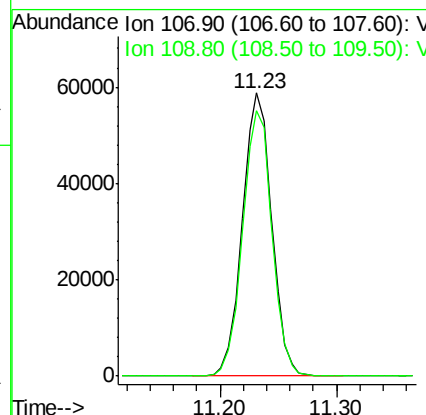
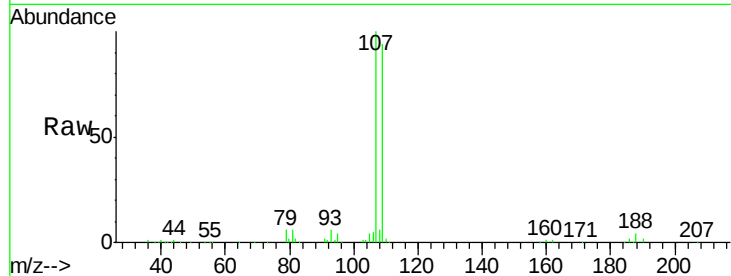
#61
 1,2-Dibromoethane
 Concen: 21.182 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		103240		
109	94.0	75.1	112.7		

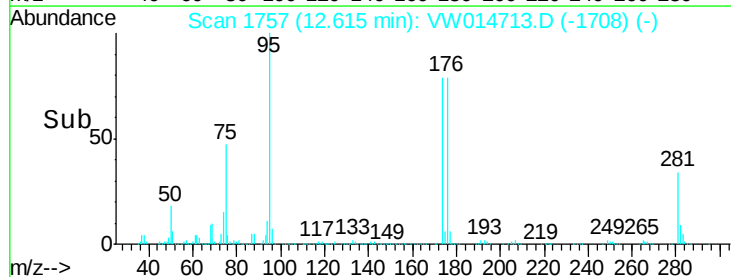
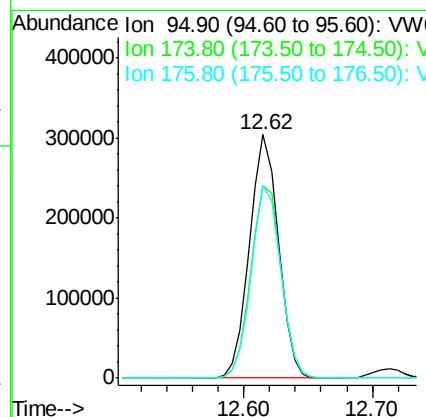
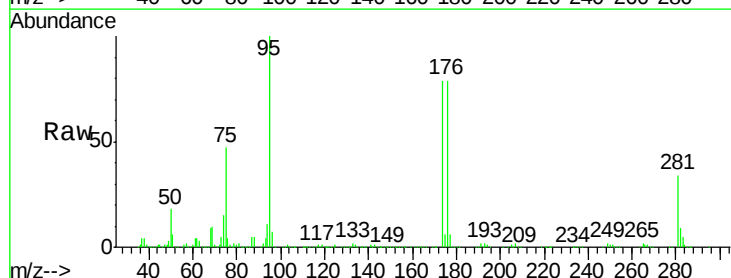
Manual Integrations
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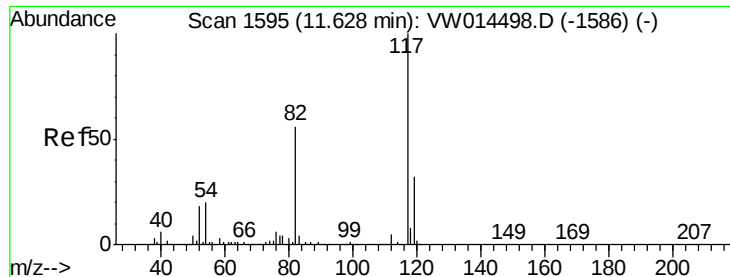
MMDadoda
 1/23/2020 2:33:07 PM



#62
 4-Bromofluorobenzene
 Concen: 54.653 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		470437		
174	82.4	0.0	168.6		
176	80.4	0.0	162.0		





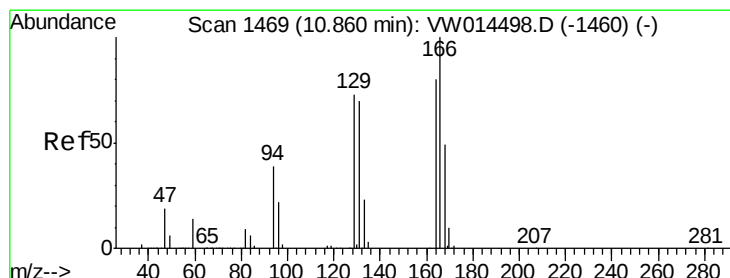
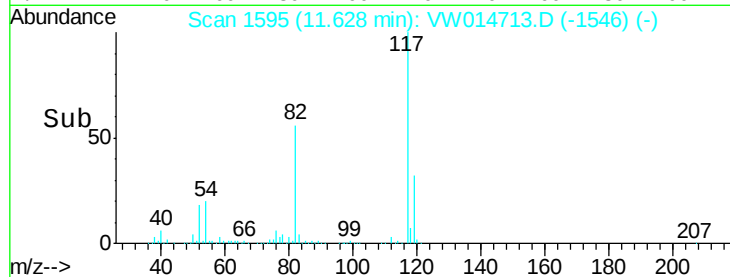
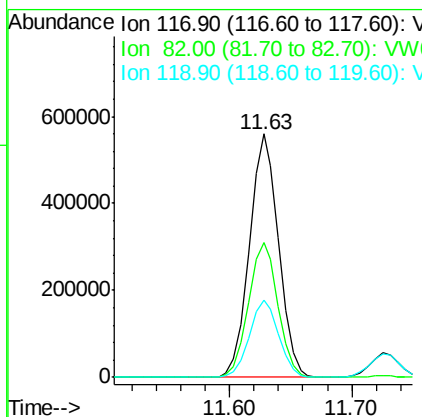
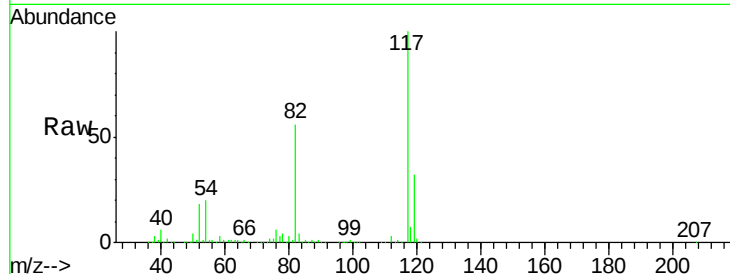
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampled :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	31.7	25.7	38.5

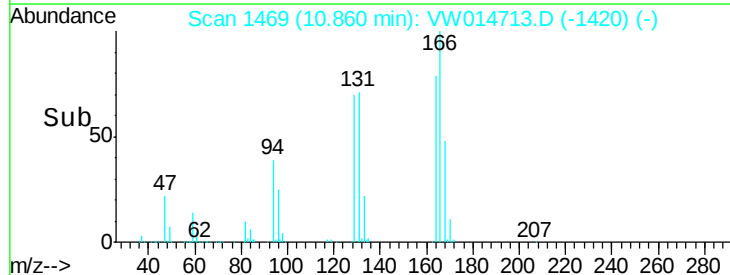
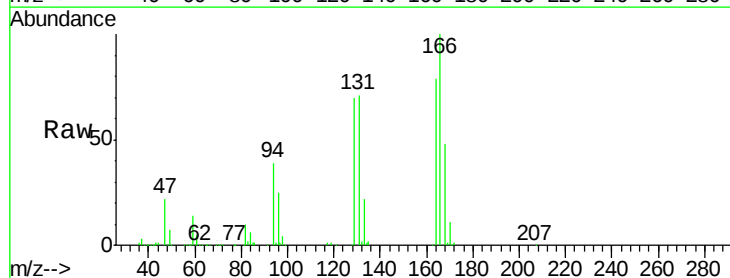
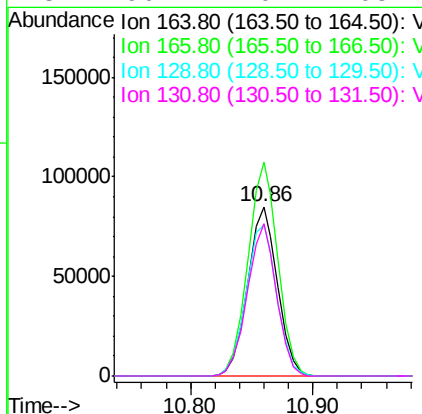
Manual Integrations
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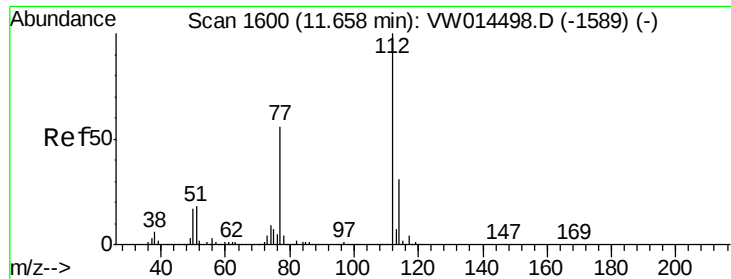
MMDadoda
1/23/2020 2:33:07 PM



#64
Tetrachloroethene
Concen: 21.483 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.8	149.6
129	89.1	72.4	108.6
131	90.2	70.1	105.1





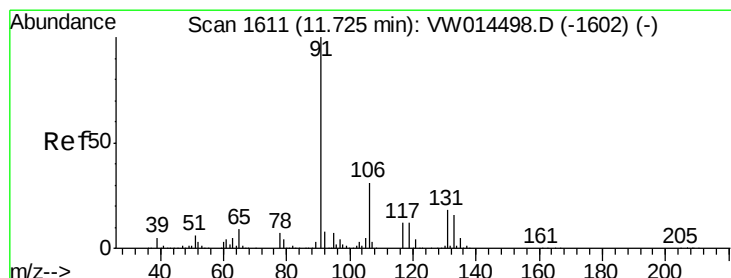
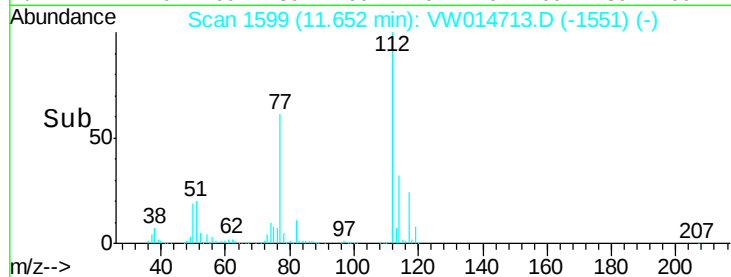
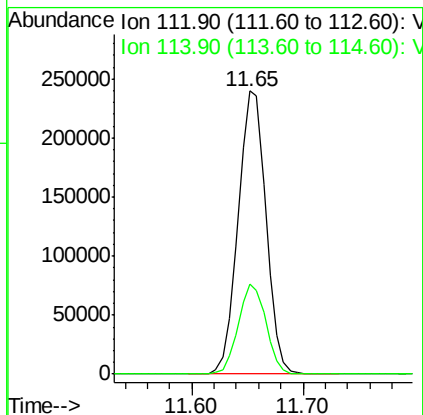
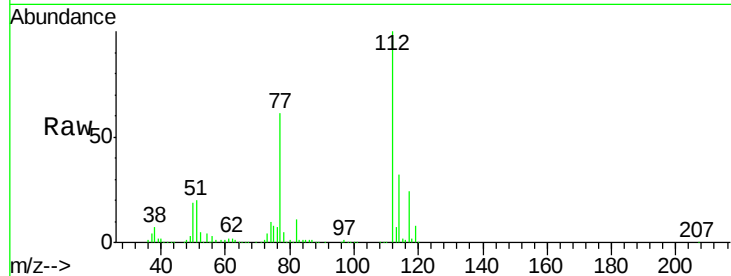
#65
Chlorobenzene
Concen: 21.912 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion:112 Resp: 415070
Ion Ratio Lower Upper
112 100
114 31.8 24.6 37.0

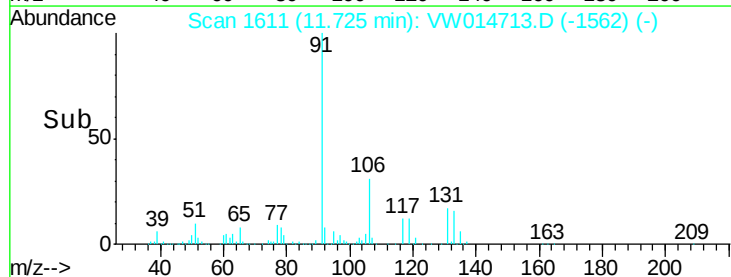
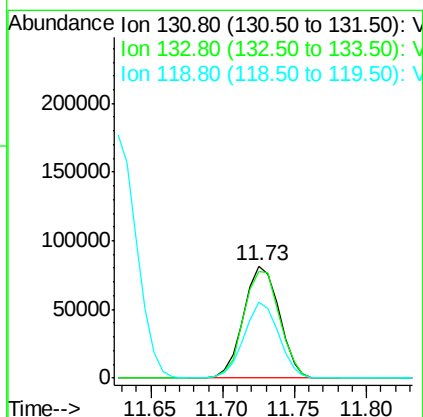
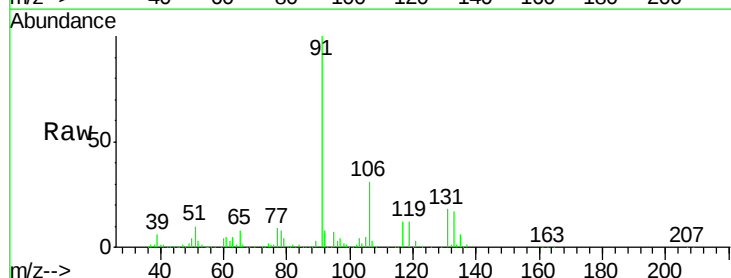
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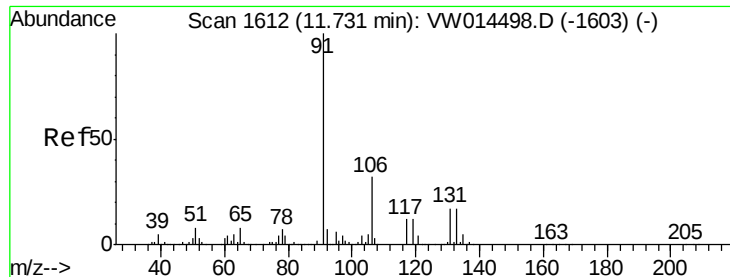
MMDadoda
1/23/2020 2:33:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.004 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion:131 Resp: 140338
Ion Ratio Lower Upper
131 100
133 96.9 47.3 142.0
119 65.9 33.1 99.3





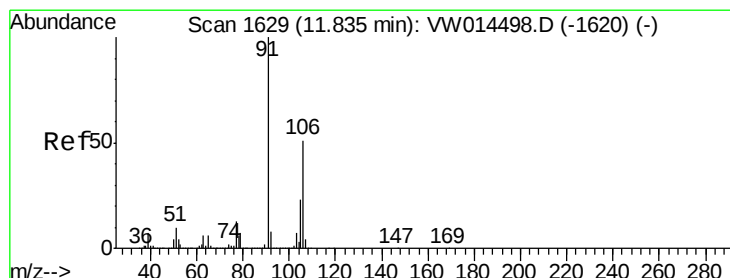
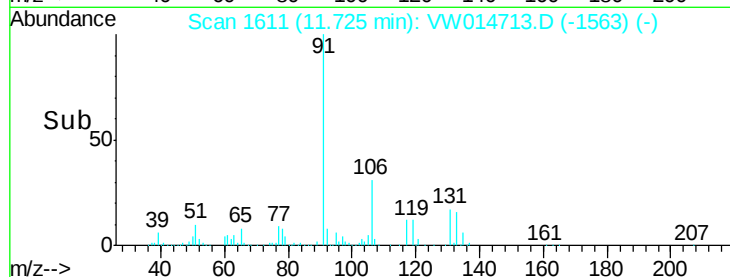
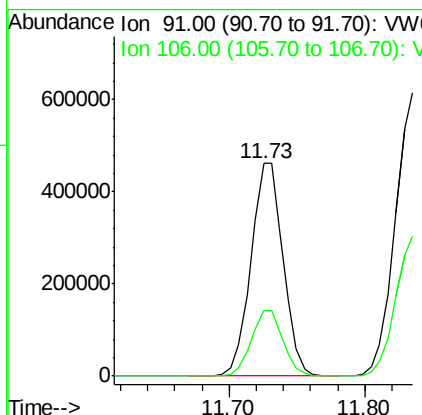
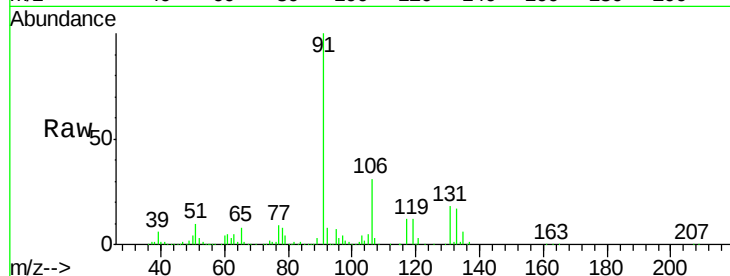
#67
Ethyl Benzene
Concen: 22.408 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion: 91 Resp: 764956
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

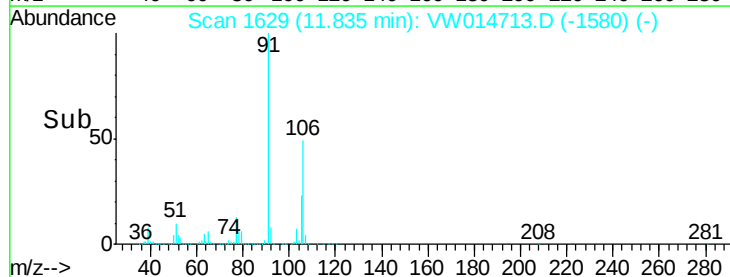
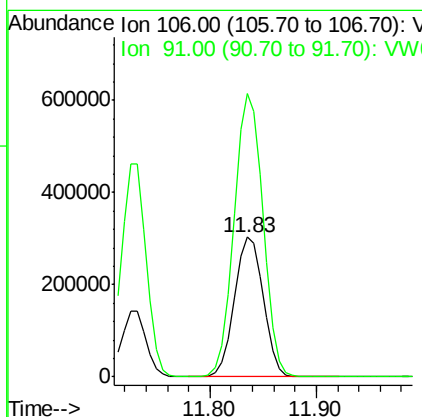
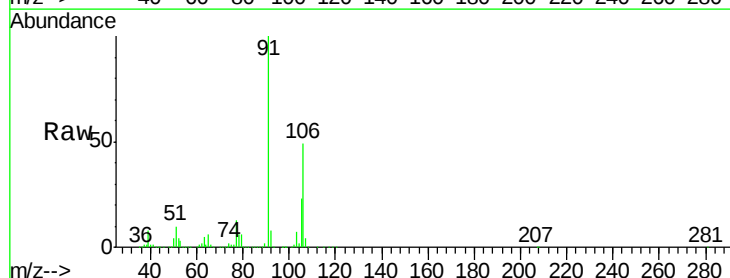
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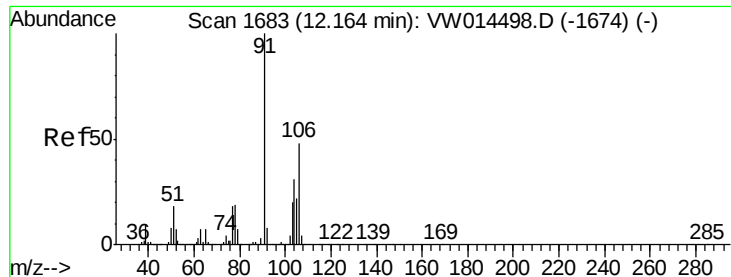
MMDadoda
1/23/2020 2:33:07 PM



#68
m/p-Xylenes
Concen: 44.165 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion: 106 Resp: 577029
Ion Ratio Lower Upper
106 100
91 202.7 159.0 238.6





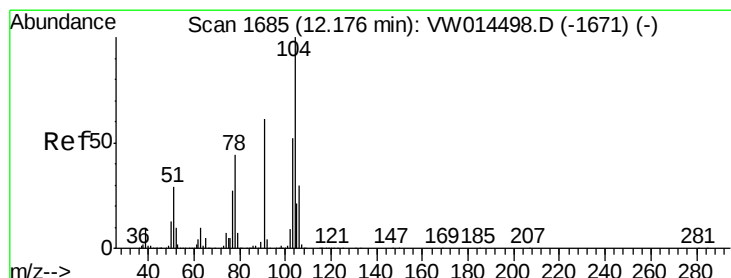
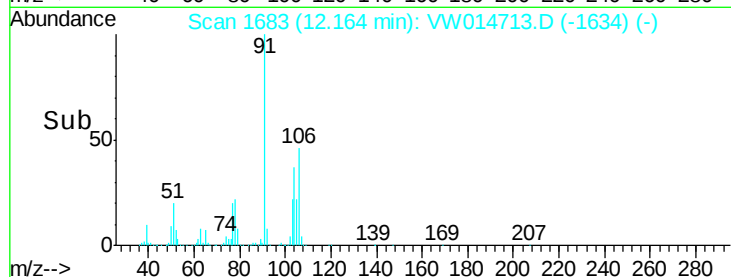
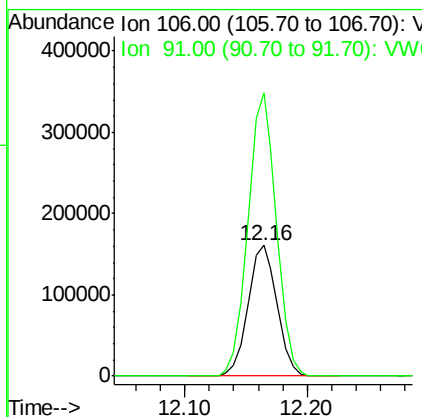
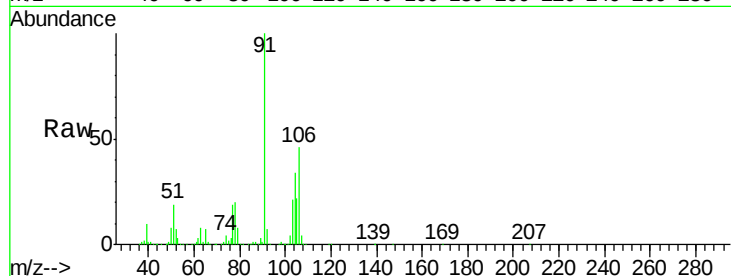
#69
o-Xylene
Concen: 21.891 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ion	Ratio	Lower	Upper
264188	106	100		
212.2	91	105.2	105.2	315.6

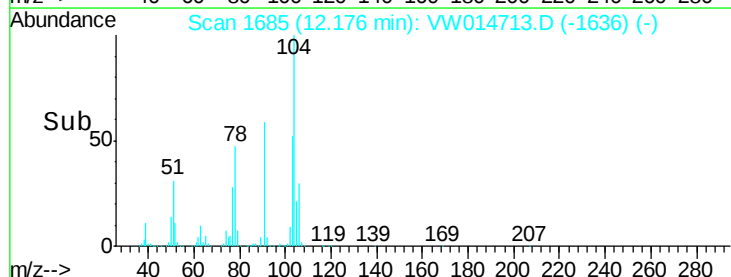
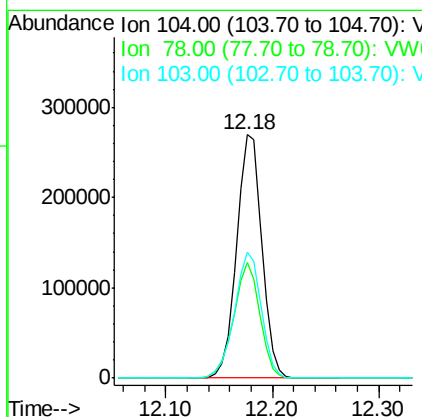
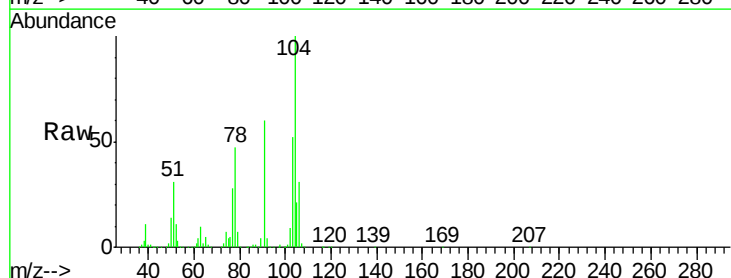
Manual Integrations
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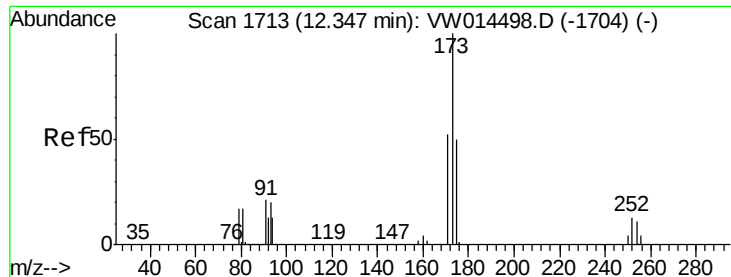
MMDadoda
1/23/2020 2:33:07 PM



#70
Styrene
Concen: 22.058 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
450274	104	100		
49.2	78	38.4	38.4	57.6
54.9	103	43.7	43.7	65.5





#71

Bromoform

Concen: 20.194 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

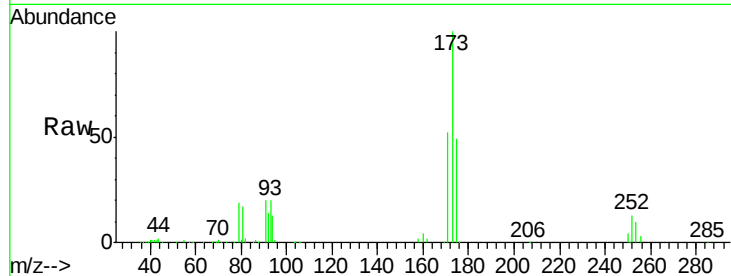
ClientSampleId :

VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.1	0.0	0.0

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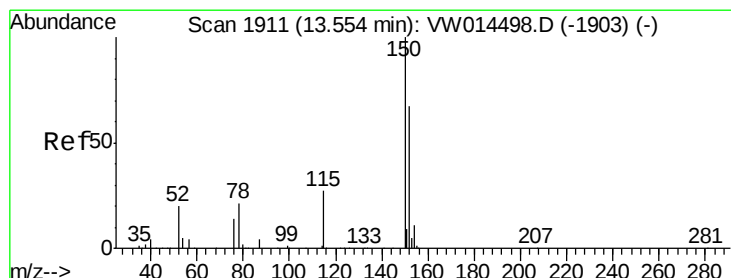
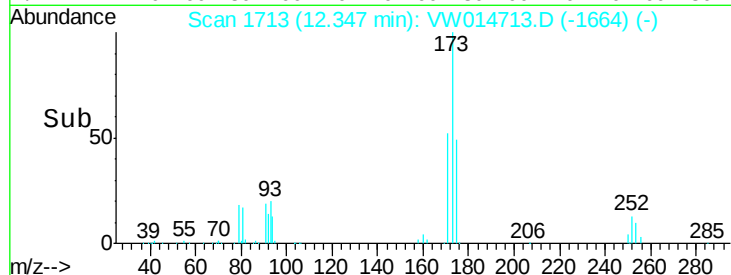
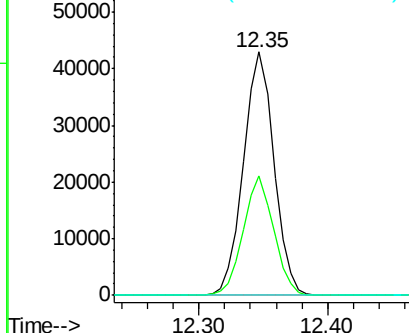


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

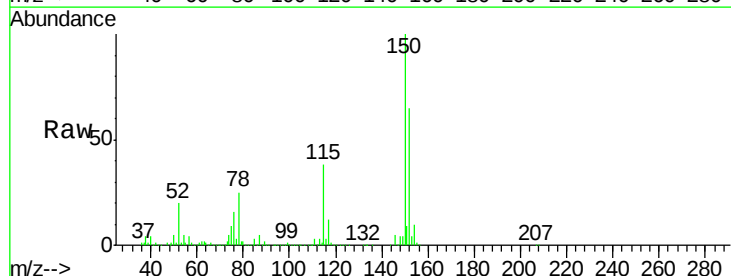
RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.7	83.1
150	162.9	0.0	343.4

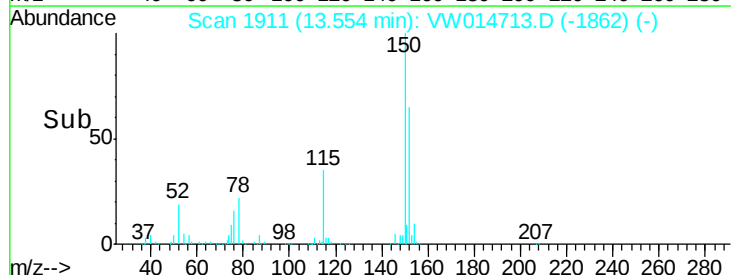
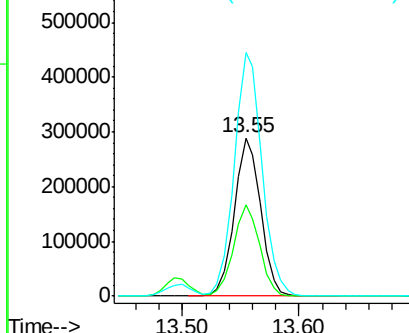


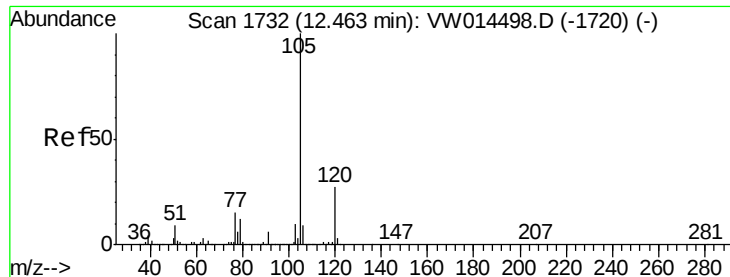
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.172 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBS01

Tot Ion: 105 Resp: 736088

Ion Ratio Lower Upper

105 100

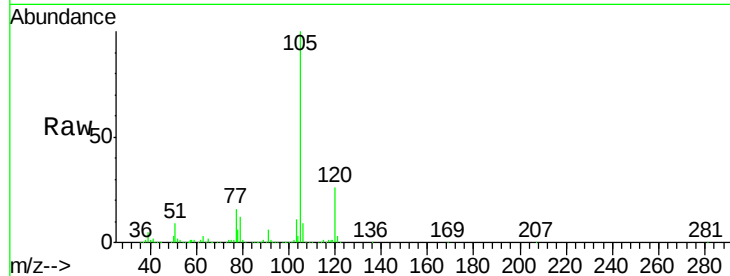
120 26.2 13.4 40.1

Manual Integrations

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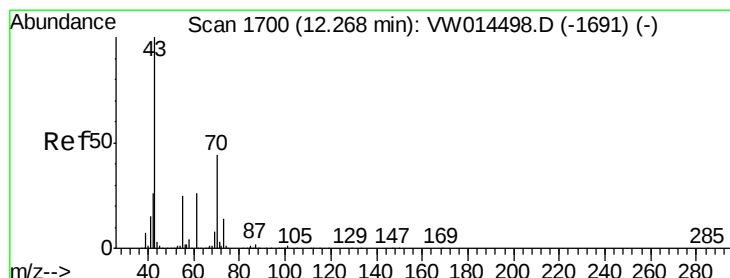
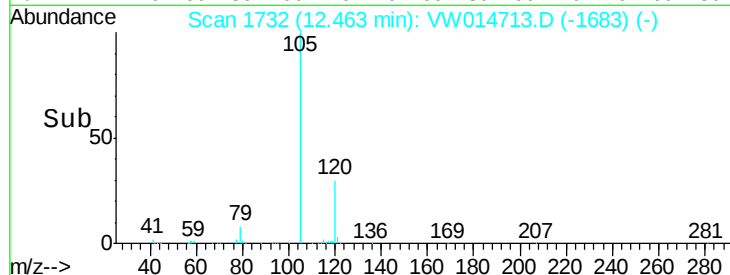
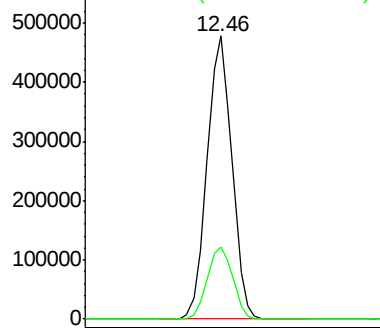
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.576 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion: 43 Resp: 160609

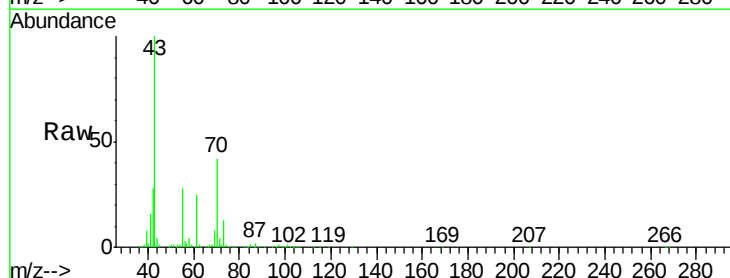
Ion Ratio Lower Upper

43 100

70 43.2 36.5 54.7

55 27.0 20.9 31.3

61 25.0 20.7 31.1

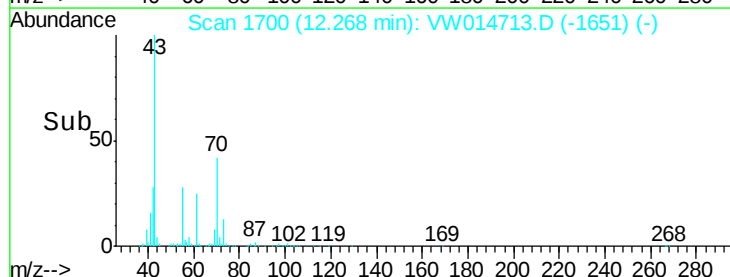
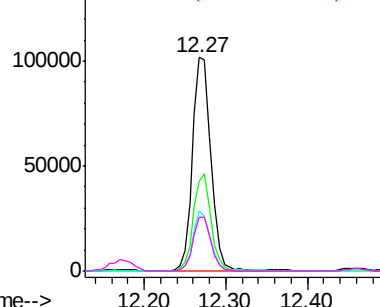


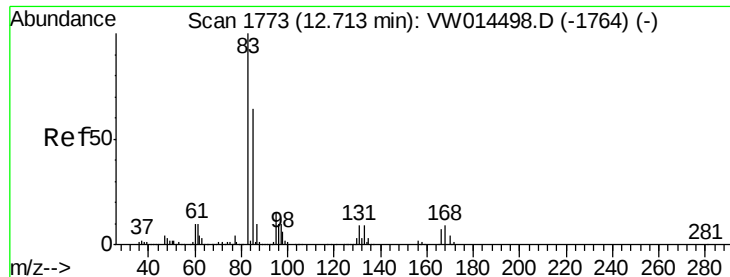
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.186 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

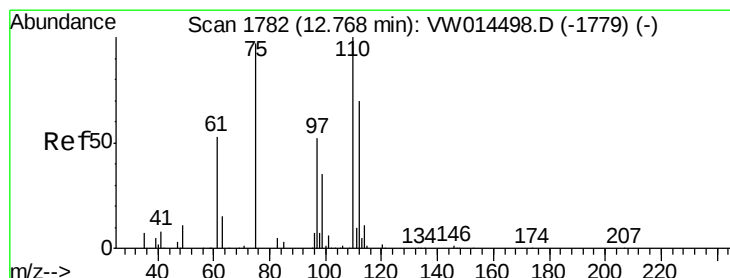
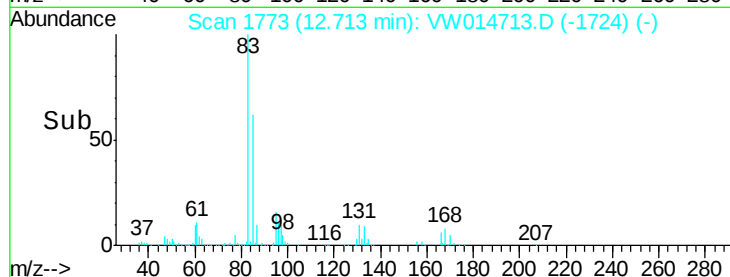
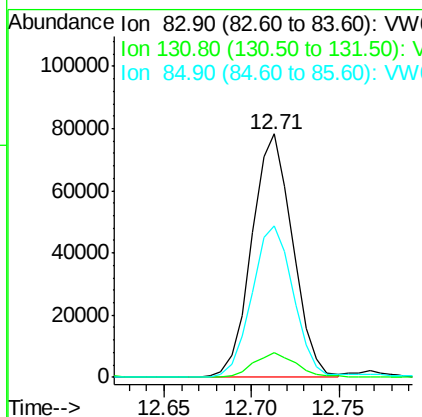
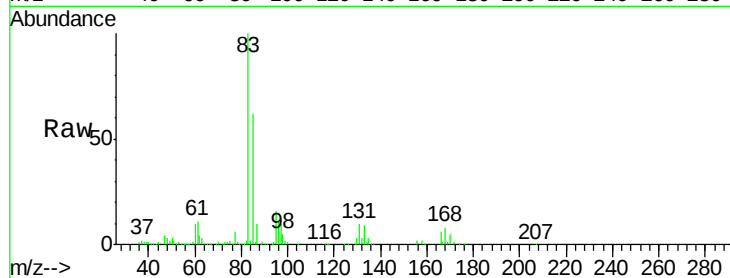
ClientSampleId :

VW0122SBS01

Tot Ion:	83	Resp:	126955
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	63.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.010 ug/l m

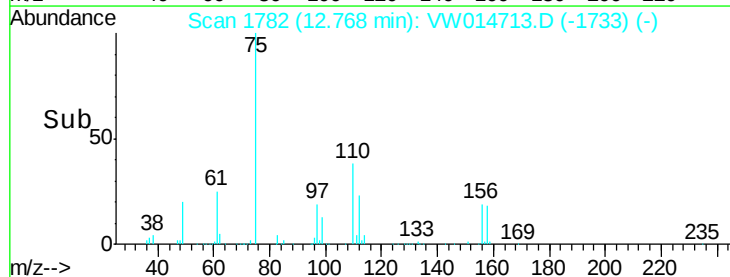
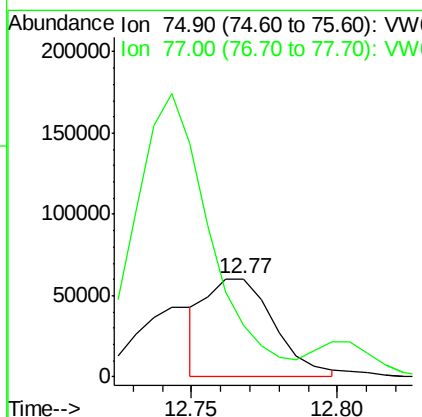
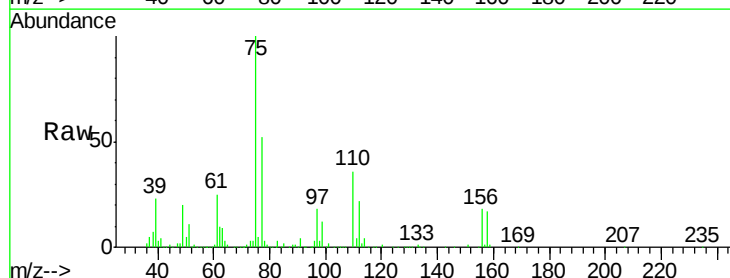
RT: 12.77 min Scan# 1782

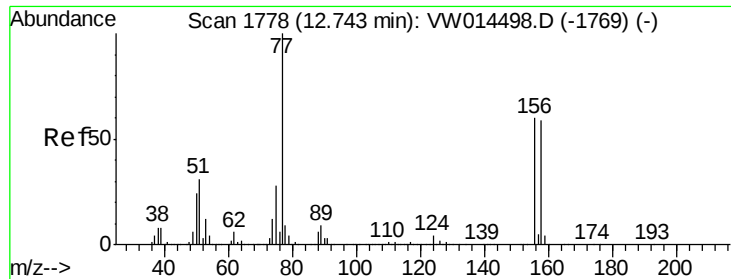
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	75	Resp:	98437
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.380 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

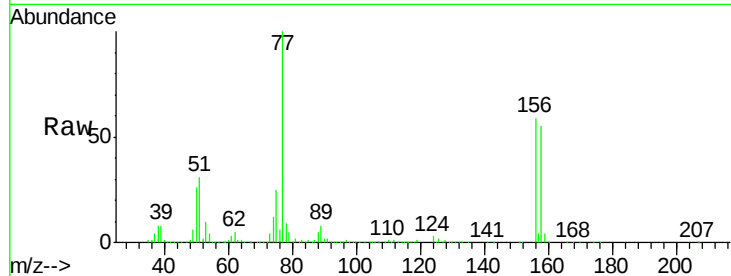
ClientSampleId :

VW0122SBSD01

Tot Ion:	156	Resp:	164855
Ion Ratio	Lower	Upper	
156	100		
77	191.6	92.3	277.1
158	96.3	48.6	145.9

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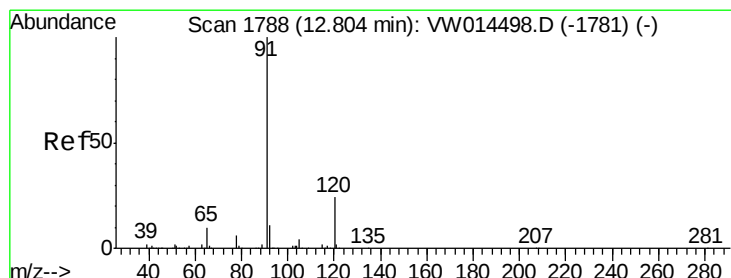
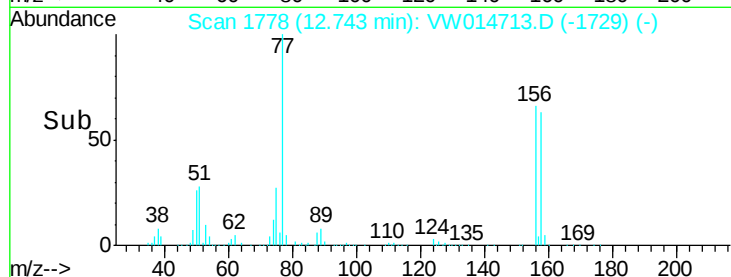
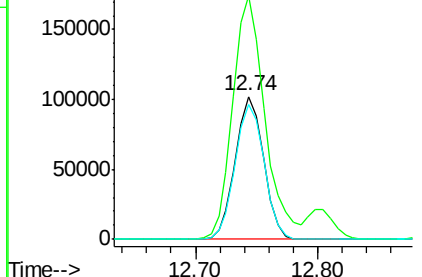
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.622 ug/l

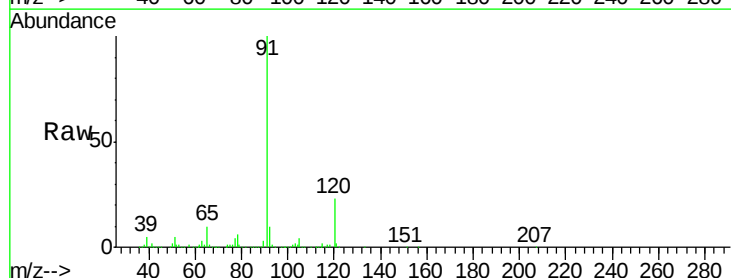
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014713.D

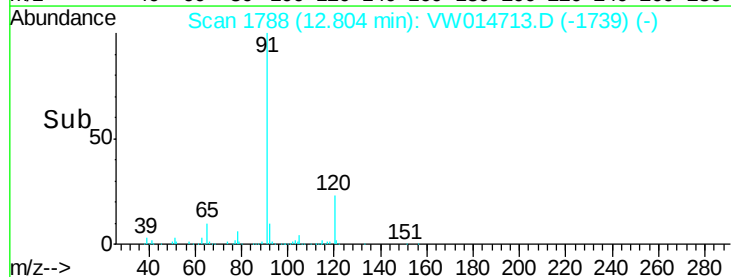
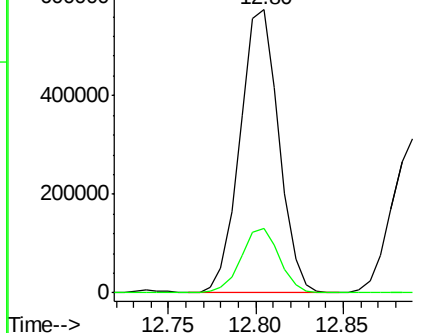
Acq: 22 Jan 2020 15:07

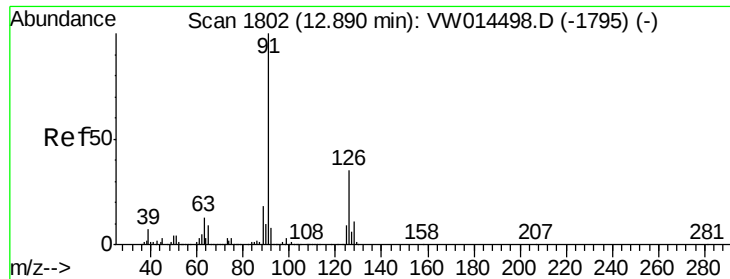
Tgt Ion:	91	Resp:	883123
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





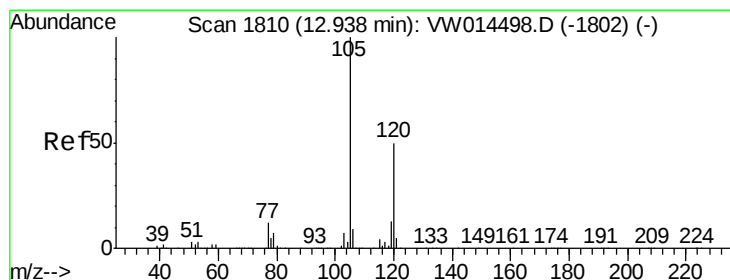
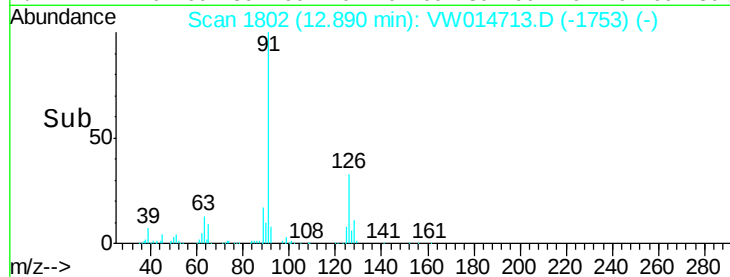
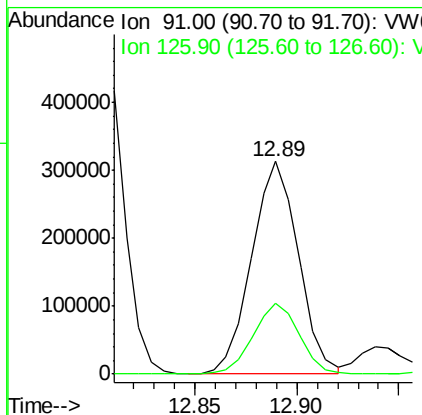
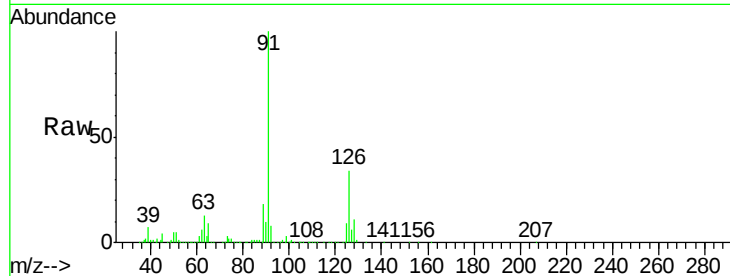
#79
 2-Chlorotoluene
 Concen: 22.353 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion: 91 Resp: 496593
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.1 51.2

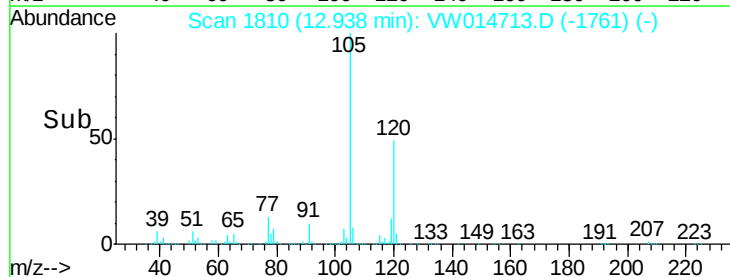
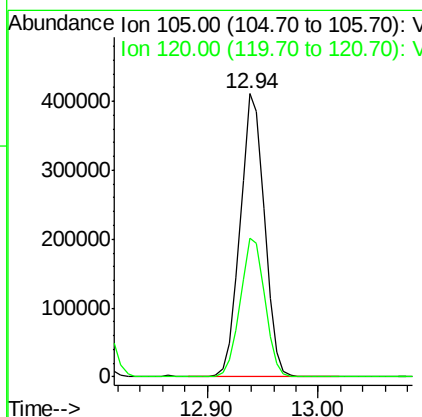
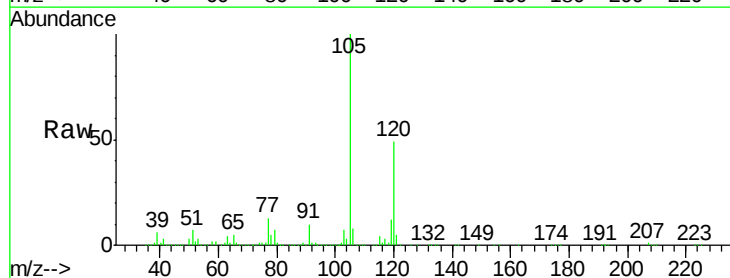
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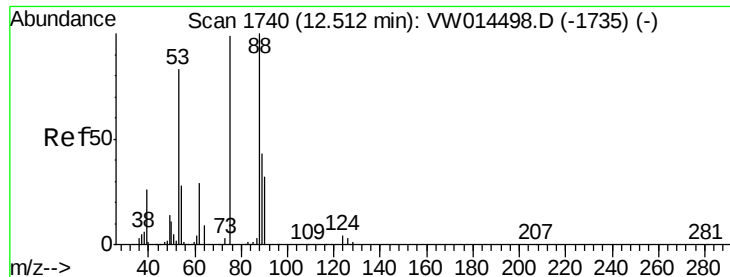
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.244 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion: 105 Resp: 620068
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.863 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

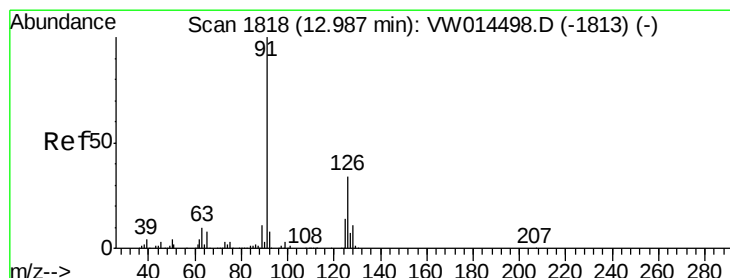
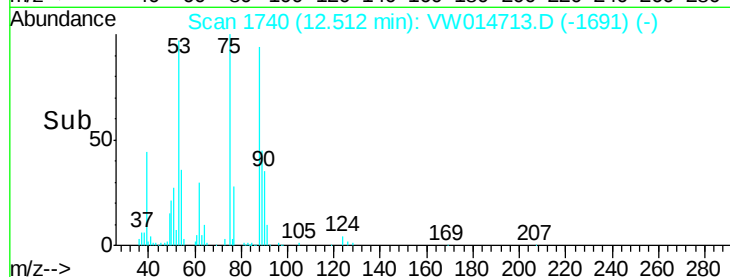
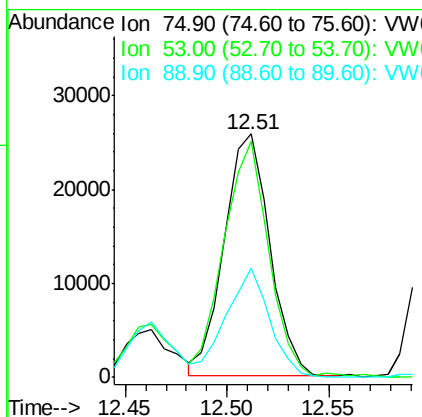
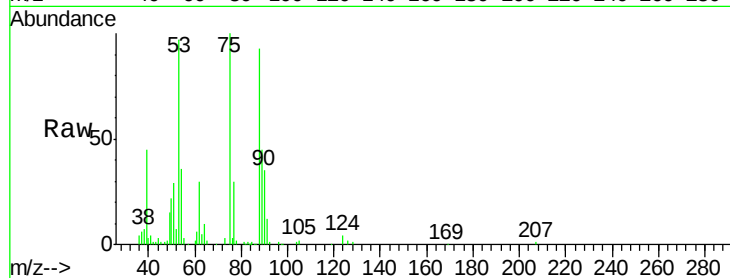
ClientSampleId :

VW0122SBSD01

Tot Ion:	75	Resp:	40058
Ion	Ratio	Lower	Upper
75	100		
53	97.1	70.9	106.3
89	43.6	35.8	53.8

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#82

4-Chlorotoluene

Concen: 22.361 ug/l

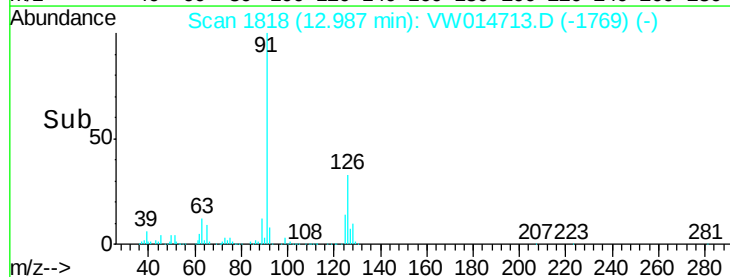
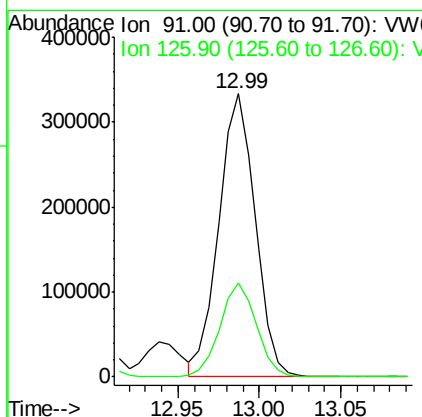
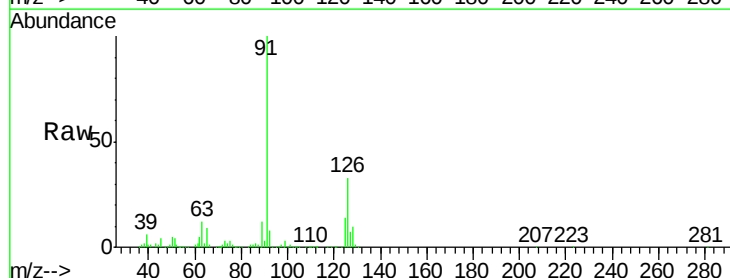
RT: 12.99 min Scan# 1818

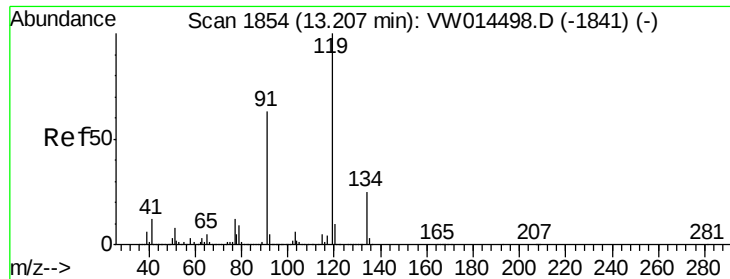
Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	91	Resp:	516123
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.1	51.2





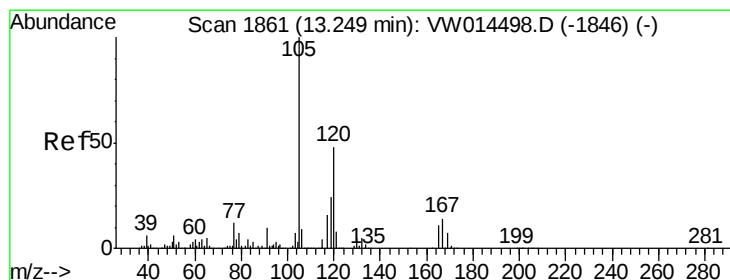
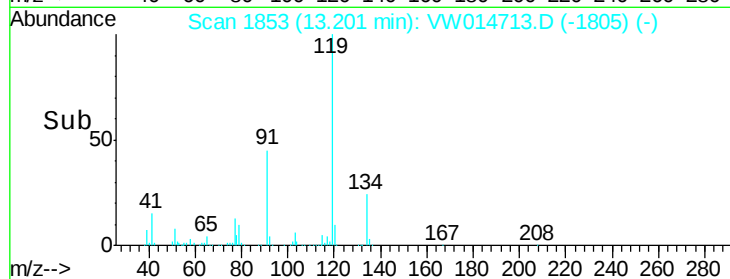
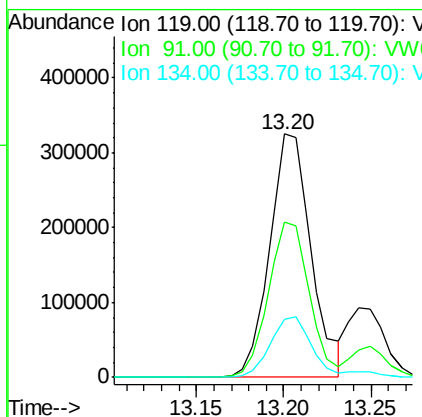
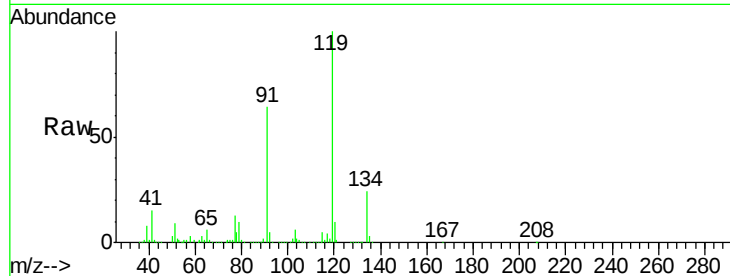
#83
tert-Butylbenzene
Concen: 22.013 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.1	93.3
134	26.4	13.5	40.5

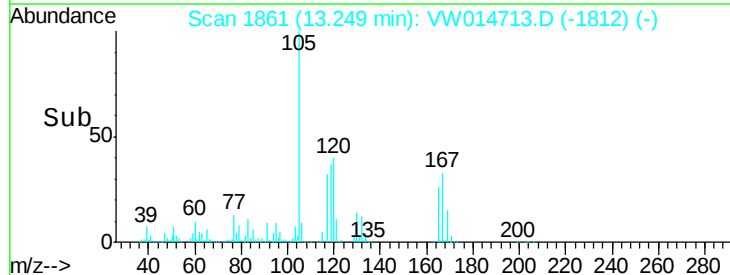
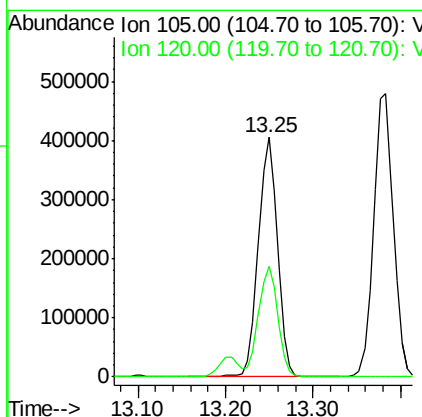
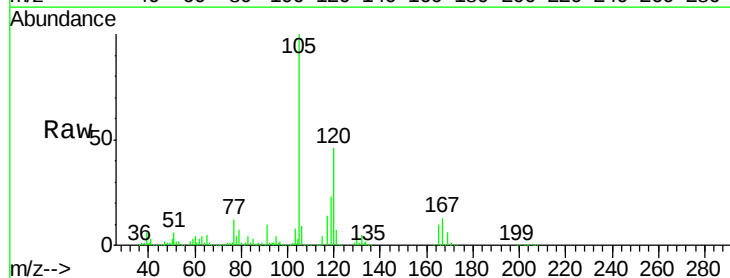
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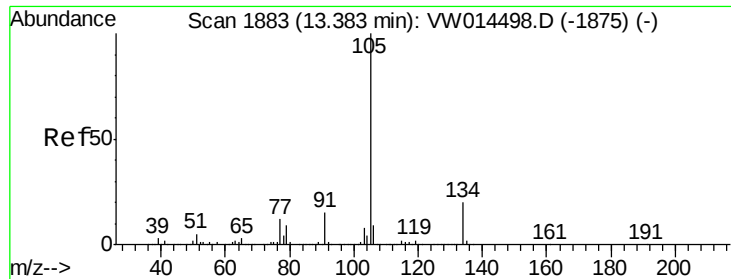
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#84
1,2,4-Trimethylbenzene
Concen: 22.276 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





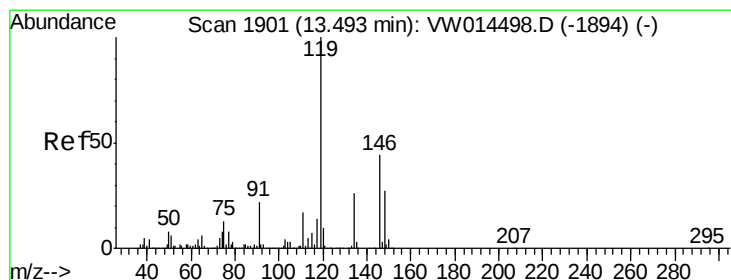
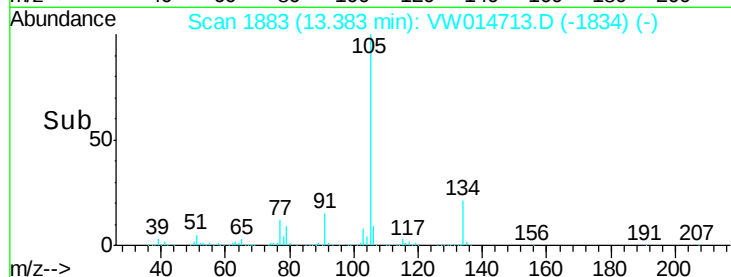
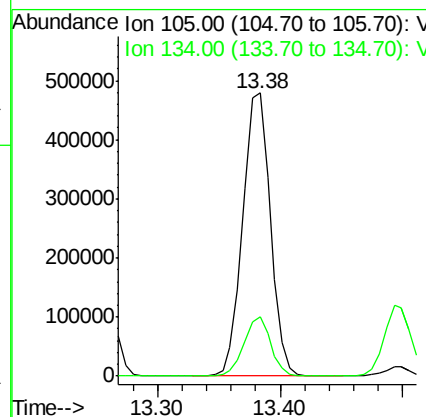
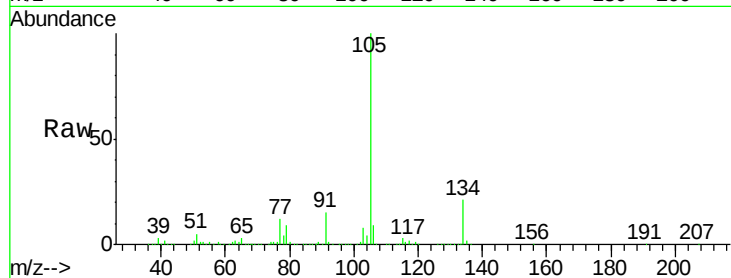
#85
 sec-Butylbenzene
 Concen: 22.206 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.6

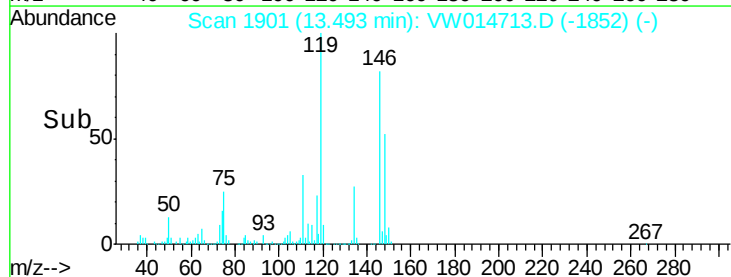
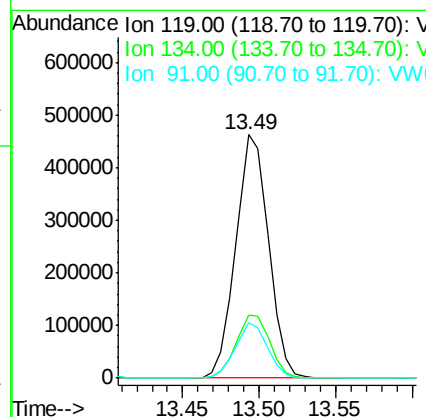
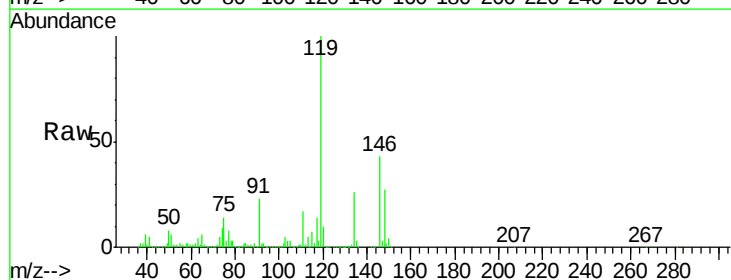
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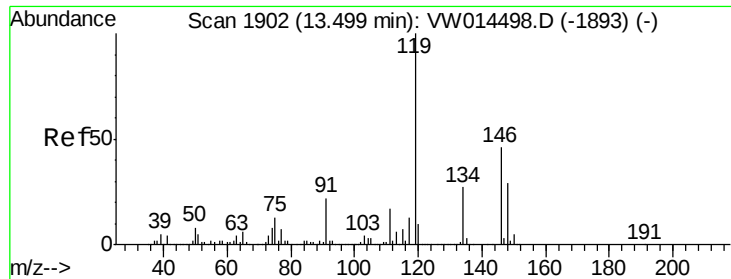
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#86
 p-Isopropyltoluene
 Concen: 22.320 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	22.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 21.820 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

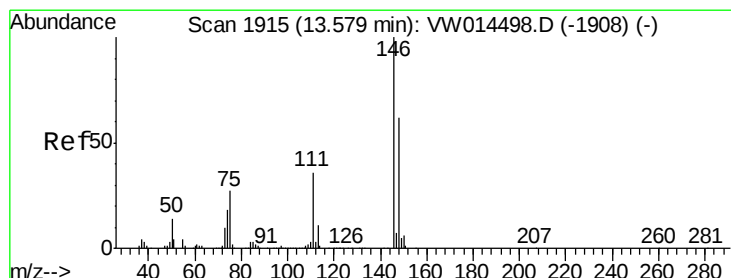
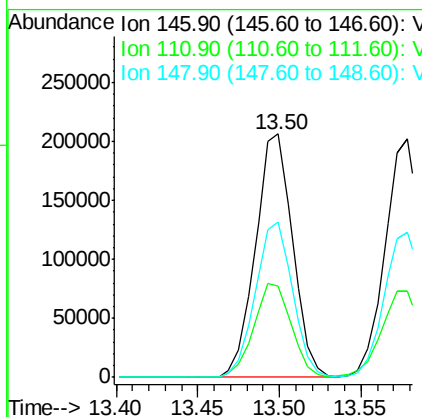
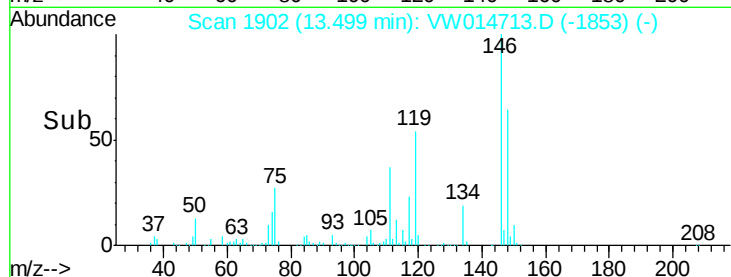
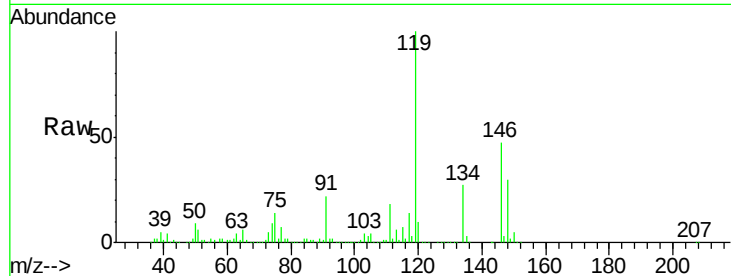
Instrument :
MSVOA_W

ClientSampleId :
VW0122SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	63.7	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 21.824 ug/l

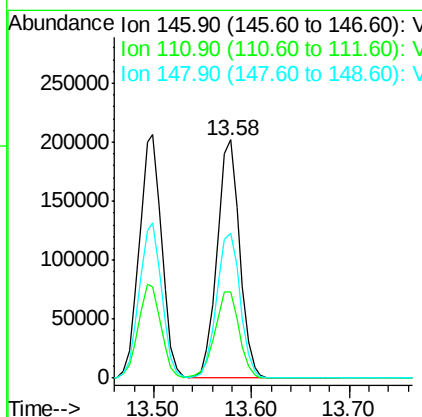
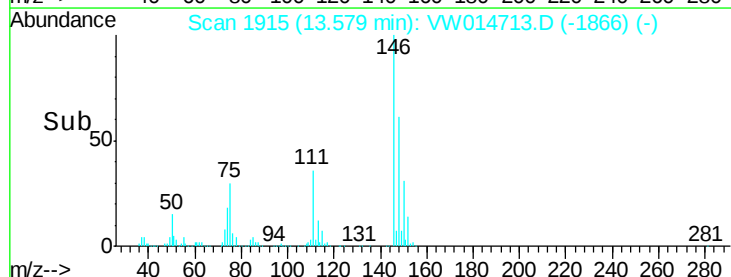
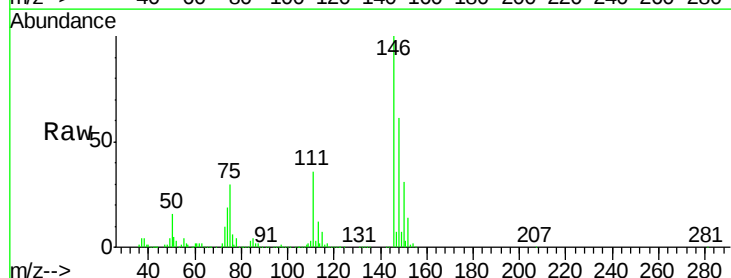
RT: 13.58 min Scan# 1915

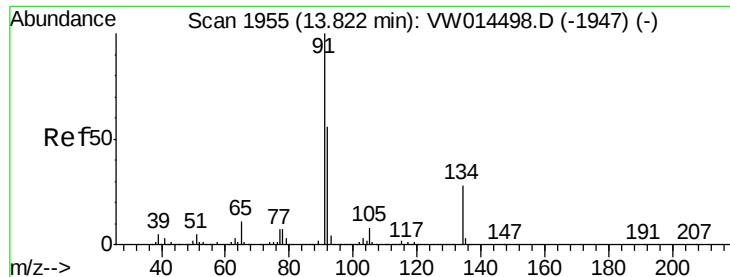
Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.7	56.1
148	63.5	31.7	95.1





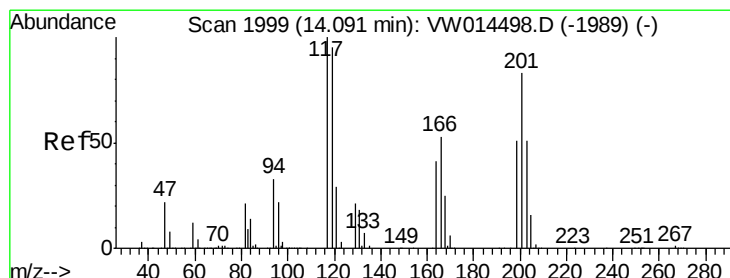
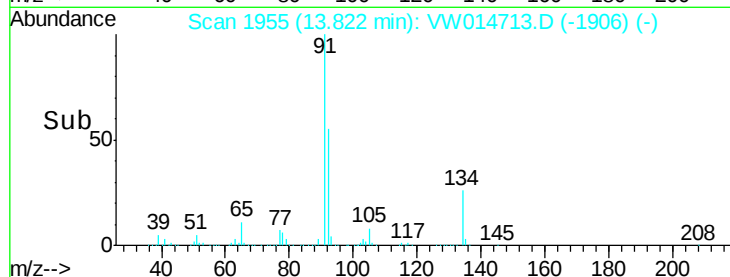
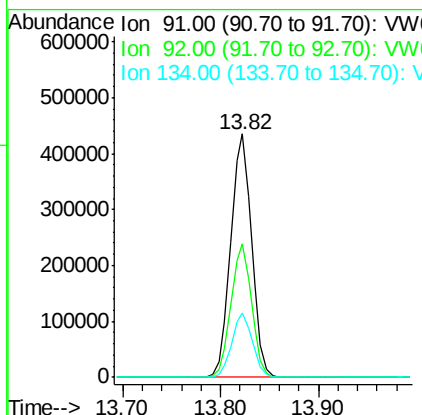
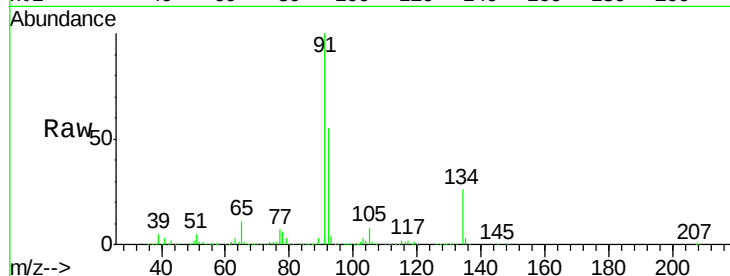
#89
n-Butylbenzene
Concen: 22.570 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	25.9	13.7	41.1

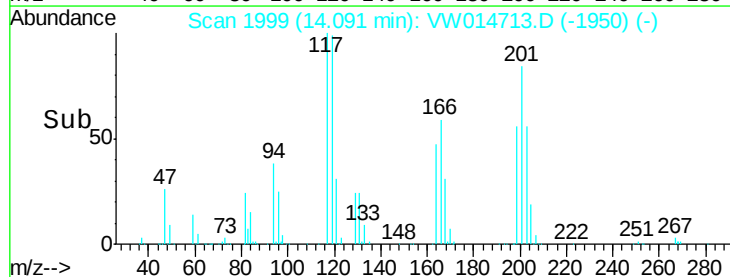
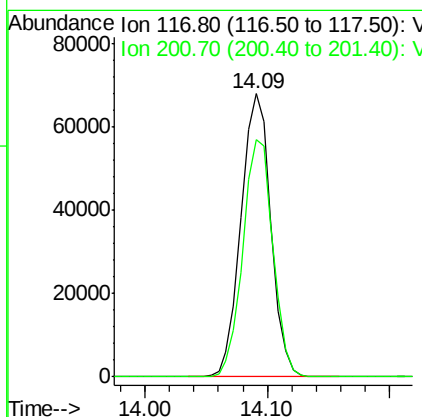
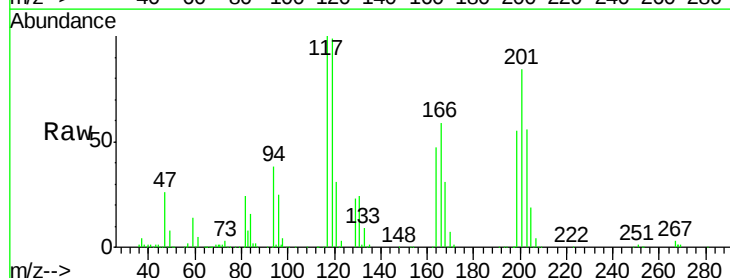
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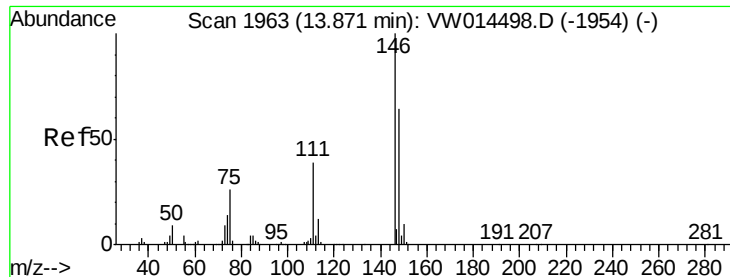
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#90
Hexachloroethane
Concen: 21.333 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014713.D
Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	43.0	128.8





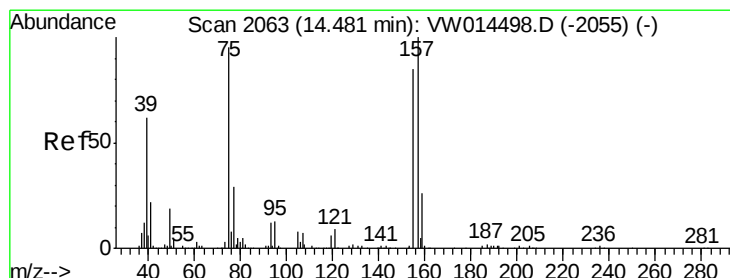
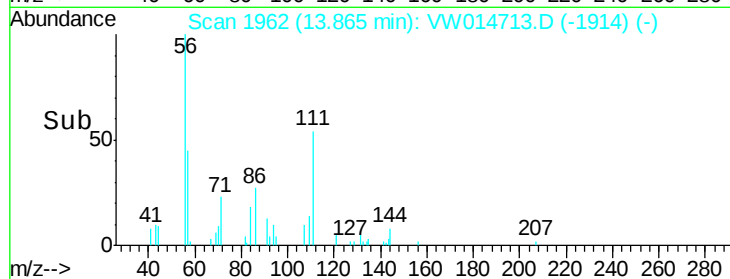
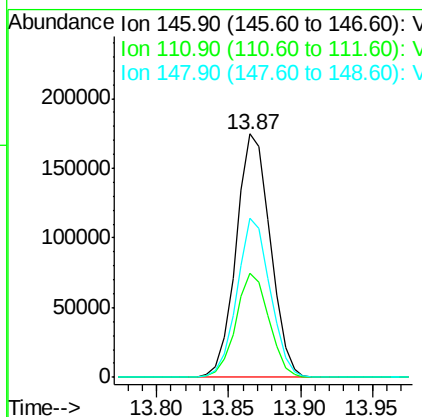
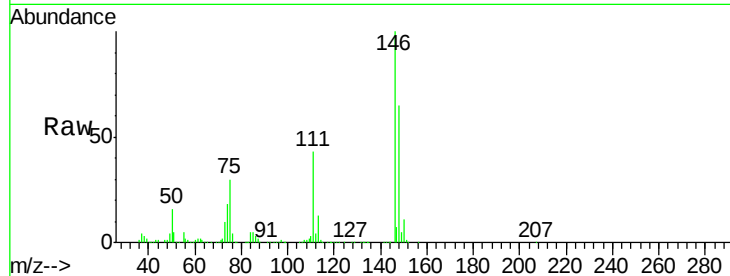
#91
 1,2-Dichlorobenzene
 Concen: 21.822 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	287592		
111	41.4		20.4	61.3
148	63.3		32.3	96.8

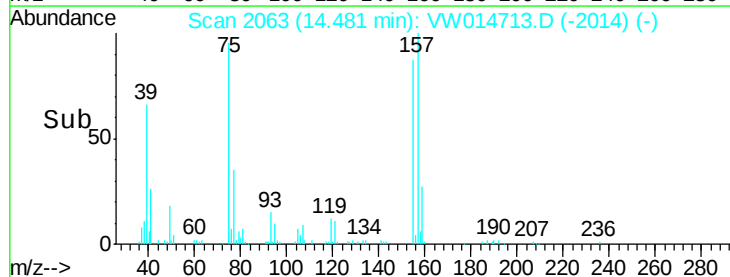
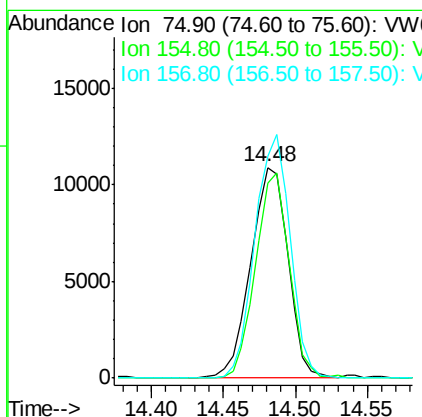
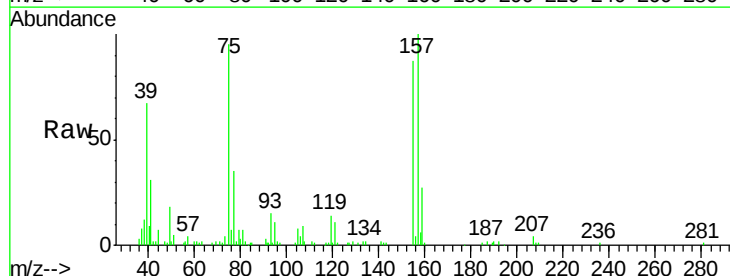
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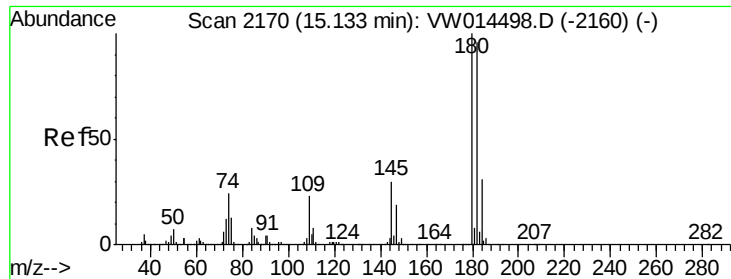
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.493 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19446		
155	88.1		45.8	137.4
157	109.2		58.1	174.2





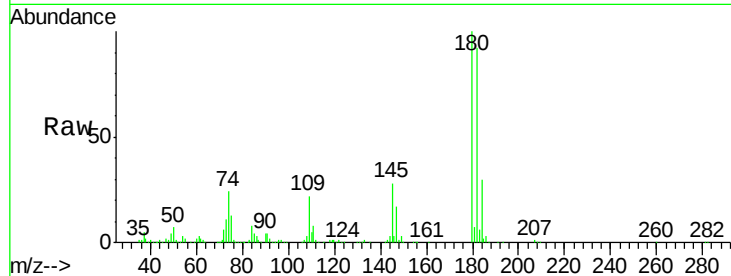
#93
 1,2,4-Trichlorobenzene
 Concen: 21.966 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

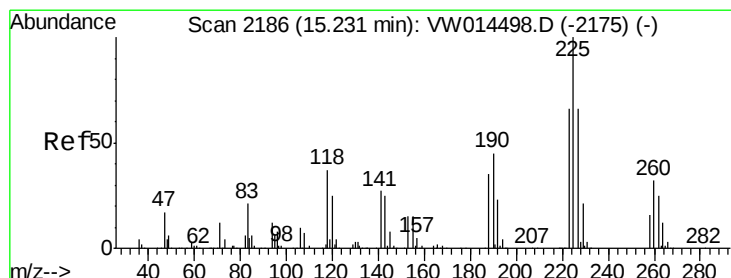
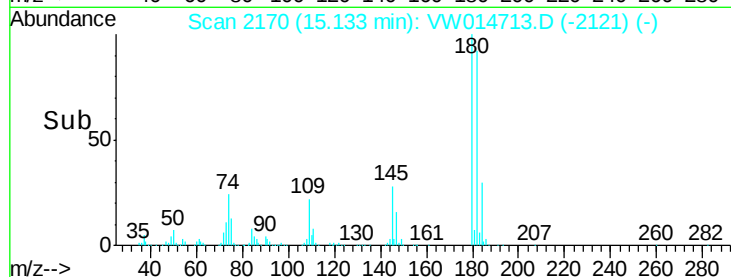
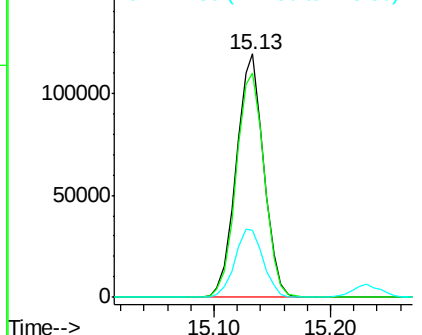
Tot Ion	Ratio	Resp	Lower	Upper
180	100	195487		
182	94.4	47.3	141.8	
145	29.1	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 2:33:07 PM

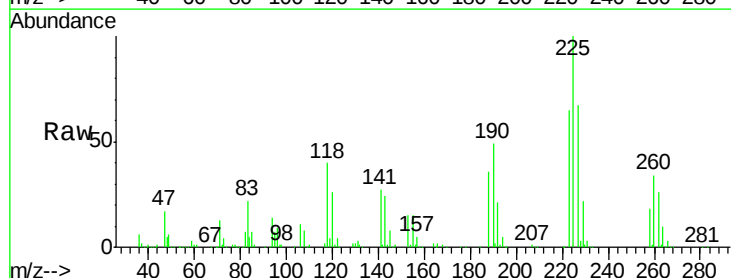


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

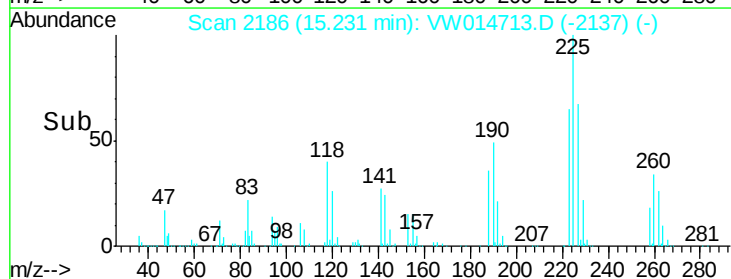
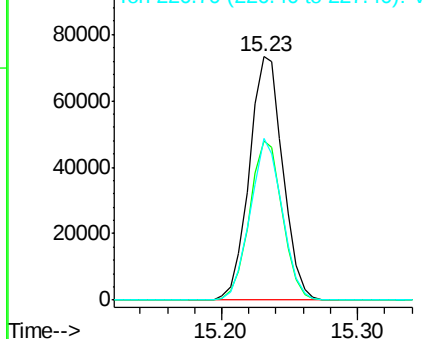


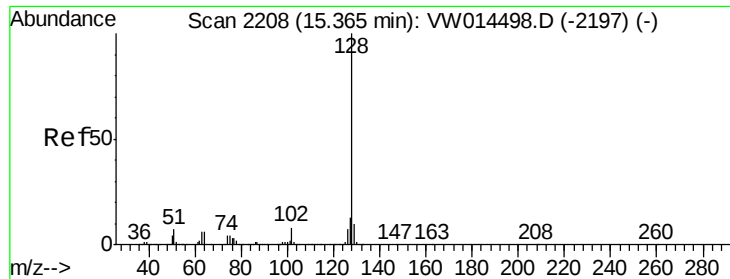
#94
 Hexachlorobutadiene
 Concen: 21.185 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014713.D
 Acq: 22 Jan 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126345		
223	64.4	32.4	97.2	
227	63.5	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.686 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Instrument :

MSVOA_W

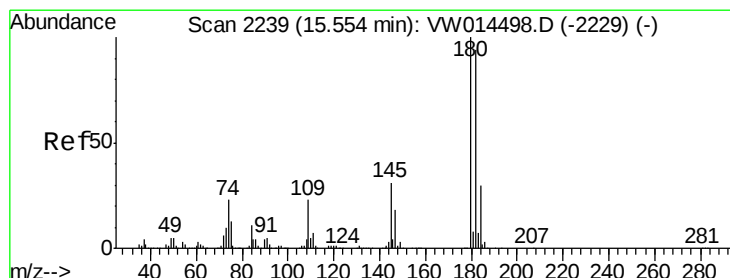
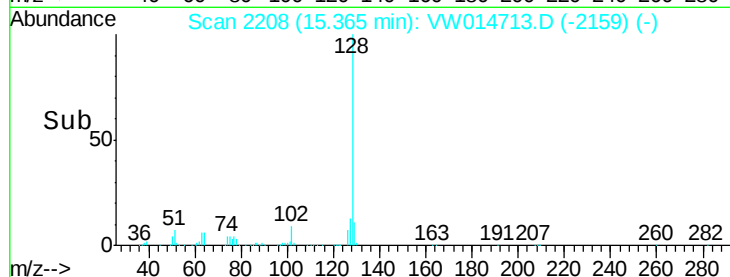
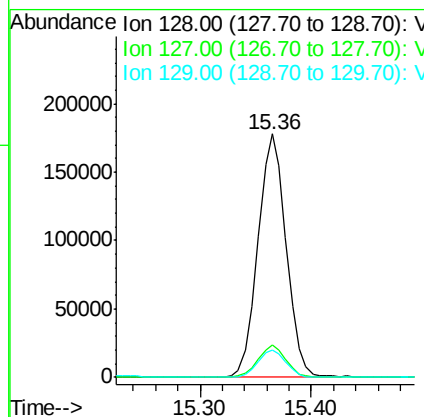
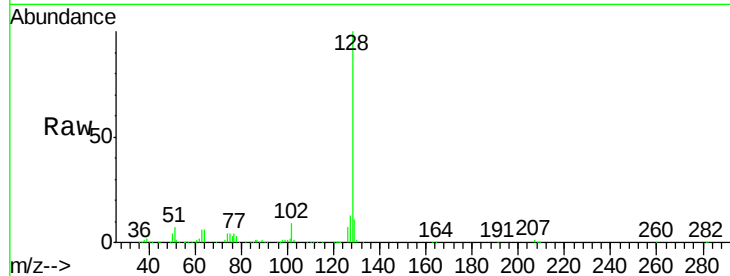
ClientSampleId :

VW0122SBS01

Tot Ion:	128	Resp:	313967
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/23/2020 2:33:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.415 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014713.D

Acq: 22 Jan 2020 15:07

Tgt Ion:	180	Resp:	166126
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.4	142.2
145	30.3	15.5	46.5

