

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014721.D
 Acq On : 23 Jan 2020 13:10
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:33 PM

Quant Time: Jan 24 05:28:03 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	638385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	958471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	842169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	412279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	317950	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	306178	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
50) Toluene-d8	10.32	98	1231628	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	419624	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	80572	22.353	ug/l	93
3) Chloromethane	2.21	50	116898	26.496	ug/l	98
4) Vinyl Chloride	2.35	62	163958	25.266	ug/l	100
5) Bromomethane	2.75	94	95565	23.839	ug/l	98
6) Chloroethane	2.91	64	91432	24.717	ug/l	99
7) Trichlorofluoromethane	3.25	101	85015	26.185	ug/l	97
8) Diethyl Ether	3.67	74	73932	22.886	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146614	24.168	ug/l	98
10) Methyl Iodide	4.27	142	206241	22.532	ug/l	97
11) Tert butyl alcohol	5.16	59	55408	116.505	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145741	22.941	ug/l	95
13) Acrolein	3.89	56	49042	100.670	ug/l	100
14) Allyl chloride	4.66	41	240324	24.755	ug/l	98
15) Acrylonitrile	5.36	53	175295	118.714	ug/l	100
16) Acetone	4.12	43	166663	105.749	ug/l	95
17) Carbon Disulfide	4.38	76	441347	23.050	ug/l	98
18) Methyl Acetate	4.66	43	91464	24.030	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	195453	24.785	ug/l	98
20) Methylene Chloride	4.92	84	178533	25.822	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	156961	23.269	ug/l	94
22) Diisopropyl ether	6.31	45	463397	25.502	ug/l	98
23) Vinyl Acetate	6.25	43	1334632	121.630	ug/l	98
24) 1,1-Dichloroethane	6.21	63	281828	24.588	ug/l	99
25) 2-Butanone	7.17	43	234710	116.046	ug/l	99
26) 2,2-Dichloropropane	7.16	77	156650	24.685	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	165701	23.378	ug/l	95
28) Bromochloromethane	7.51	49	102951	22.910	ug/l	90
29) Tetrahydrofuran	7.52	42	145527	116.144	ug/l	98
30) Chloroform	7.67	83	264341	24.662	ug/l	97
31) Cyclohexane	7.95	56	279287	23.446	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	214856	24.924	ug/l	98
36) 1,1-Dichloropropene	8.07	75	218964	23.697	ug/l	99
37) Ethyl Acetate	7.24	43	101007	24.103	ug/l	98
38) Carbon Tetrachloride	8.06	117	192157	23.971	ug/l	96

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Manual Integrations
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Quant Time: Jan 24 05:28:03 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)
39) Methylcyclohexane	9.33	83	270333	22.798	ug/l	96
40) Benzene	8.32	78	634406	24.266	ug/l	100
41) Methacrylonitrile	7.48	41	54806	23.461	ug/l	96
42) 1,2-Dichloroethane	8.40	62	169586	24.996	ug/l	98
43) Isopropyl Acetate	8.42	43	184090	24.191	ug/l	98
44) Trichloroethene	9.09	130	162490	22.969	ug/l	99
45) 1,2-Dichloropropane	9.37	63	156573	24.406	ug/l	97
46) Dibromomethane	9.46	93	73653	23.256	ug/l	97
47) Bromodichloromethane	9.64	83	186075	23.798	ug/l	98
48) Methyl methacrylate	9.43	41	79156	21.305	ug/l	92
49) 1,4-Dioxane	9.44	88	27676	467.223	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	474746	120.134	ug/l	98
52) Toluene	10.38	92	389802	23.700	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185886	22.961	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	230997	23.346	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	105662	22.844	ug/l	98
56) Ethyl methacrylate	10.64	69	136698	22.741	ug/l	96
57) 1,3-Dichloropropane	10.93	76	192500	23.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	210756	115.280	ug/l	97
59) 2-Hexanone	10.96	43	323923	118.952	ug/l	96
60) Dibromochloromethane	11.12	129	119308	22.861	ug/l	99
61) 1,2-Dibromoethane	11.23	107	100252	22.833	ug/l	100
64) Tetrachloroethene	10.86	164	137014	22.472	ug/l	99
65) Chlorobenzene	11.65	112	394283	22.852	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	133256	22.939	ug/l	100
67) Ethyl Benzene	11.73	91	725619	23.337	ug/l	97
68) m/p-Xylenes	11.83	106	554638	46.608	ug/l	99
69) o-Xylene	12.16	106	249157	22.666	ug/l	98
70) Styrene	12.18	104	429321	23.091	ug/l	99
71) Bromoform	12.35	173	68620	21.656	ug/l #	98
73) Isopropylbenzene	12.46	105	691694	22.865	ug/l	99
74) N-amyl acetate	12.27	43	159830	23.564	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	126131	23.100	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	76663m	19.667	ug/l	
77) Bromobenzene	12.74	156	157760	22.454	ug/l	96
78) n-propylbenzene	12.80	91	841320	23.651	ug/l	99
79) 2-Chlorotoluene	12.89	91	473202	23.376	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	593800	23.378	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	37975	21.706	ug/l	94
82) 4-Chlorotoluene	12.99	91	493330	23.457	ug/l	99
83) tert-Butylbenzene	13.20	119	507782	22.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	588857	23.297	ug/l	98
85) sec-Butylbenzene	13.38	105	719102	23.361	ug/l	100
86) p-Isopropyltoluene	13.49	119	648220	23.103	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	310916	22.757	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305442	22.645	ug/l	98
89) n-Butylbenzene	13.82	91	607790	23.327	ug/l	98
90) Hexachloroethane	14.09	117	112636	22.980	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	276682	23.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20232	23.399	ug/l	88

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

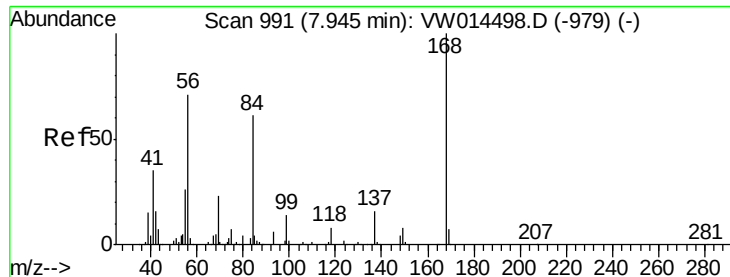
Manual Integrations
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1/24/2020 4:02:33 PM

Quant Time: Jan 24 05:28:03 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	174298	21.494	ug/l	98
94) Hexachlorobutadiene	15.23	225	118160	21.743	ug/l	99
95) Naphthalene	15.36	128	286016	20.681	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	151205	21.391	ug/l	100

(#) = 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: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion:168 Resp: 638385

Ion Ratio Lower Upper

168 100

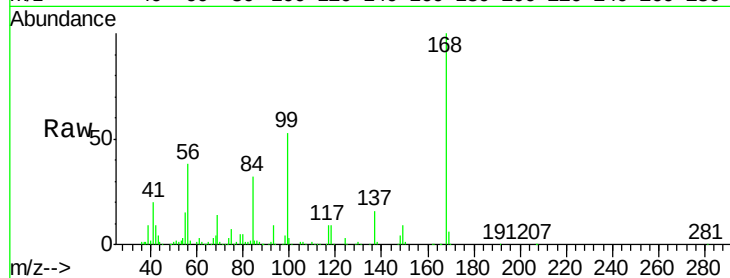
99 52.8 41.1 61.7

Manual Integrations

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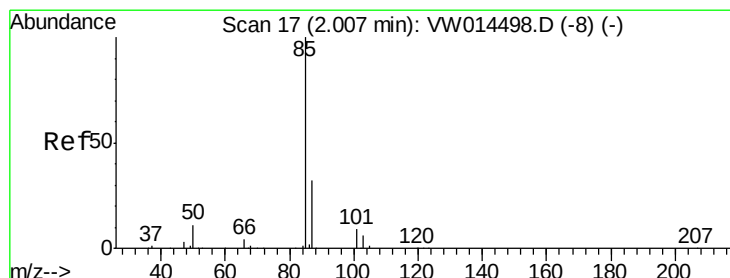
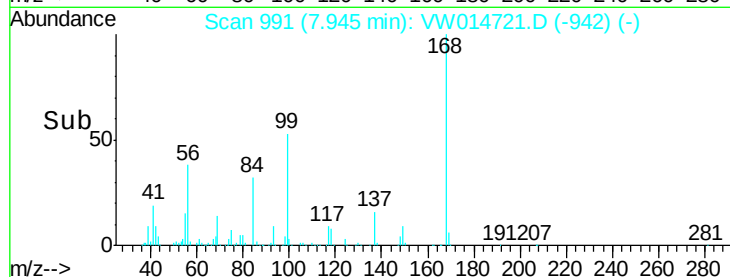
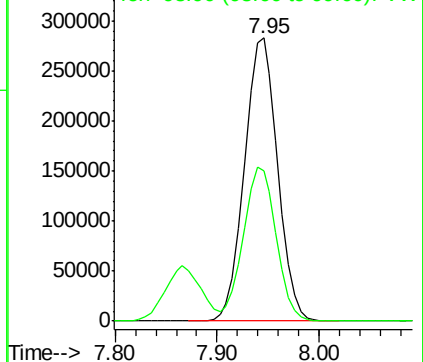
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.353 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014721.D

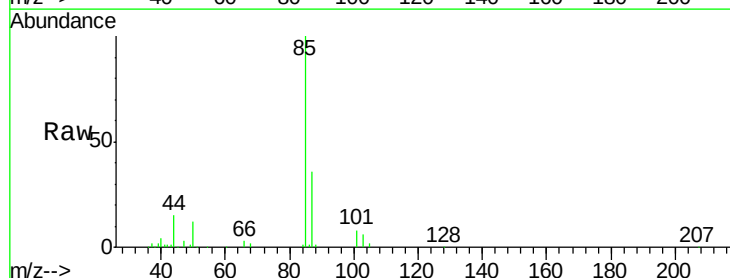
Acq: 23 Jan 2020 13:10

Tgt Ion: 85 Resp: 80572

Ion Ratio Lower Upper

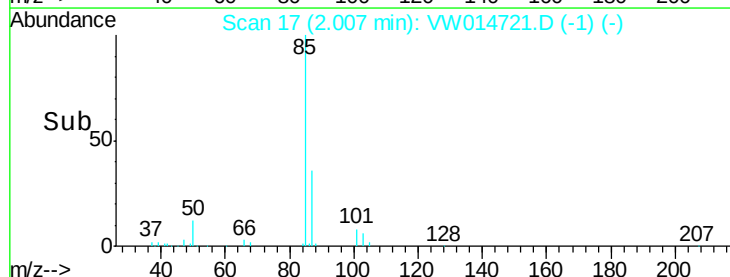
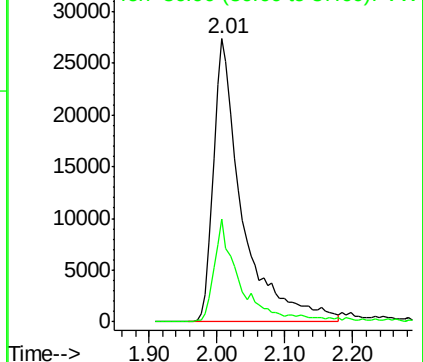
85 100

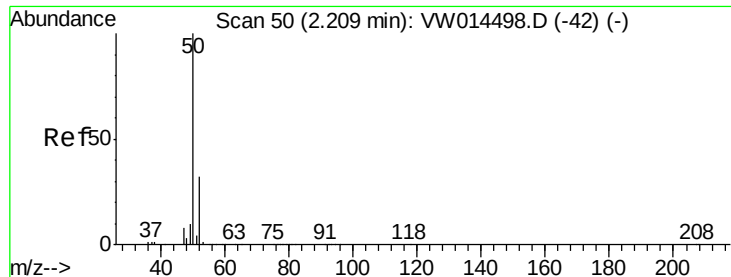
87 36.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 26.496 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 50 Resp: 116898

Ion Ratio Lower Upper

50 100

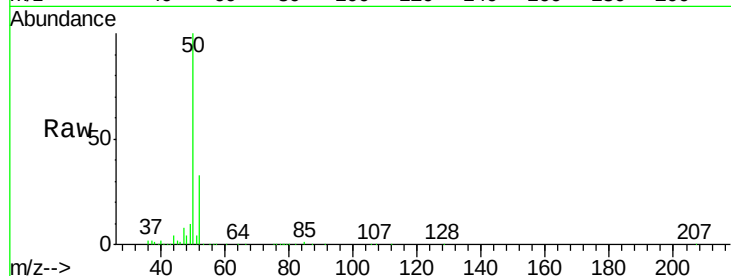
52 33.3 25.8 38.8

Manual Integrations

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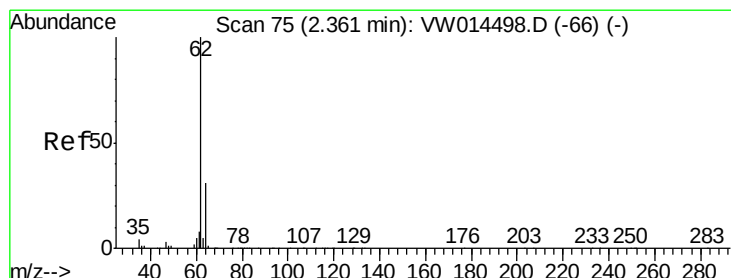
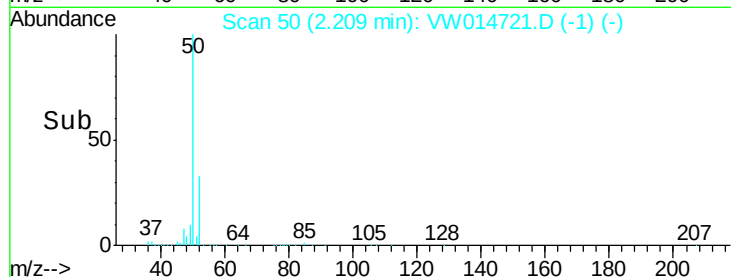
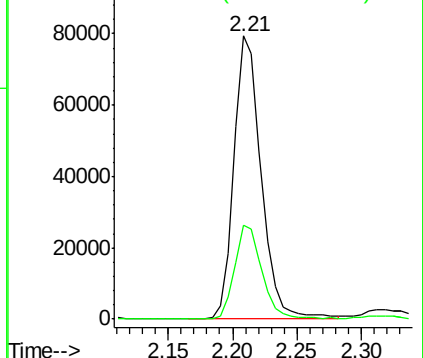
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 25.266 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014721.D

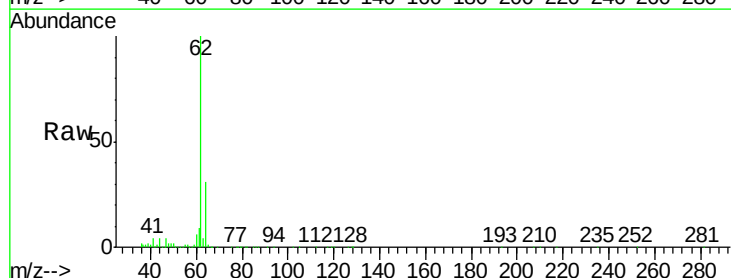
Acq: 23 Jan 2020 13:10

Tgt Ion: 62 Resp: 163958

Ion Ratio Lower Upper

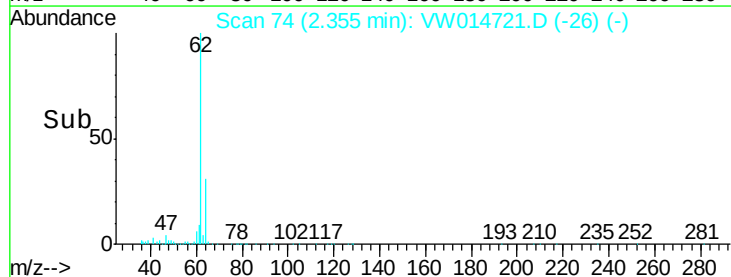
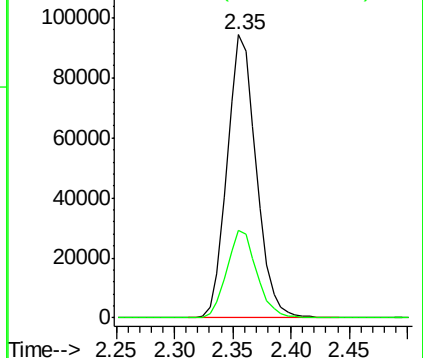
62 100

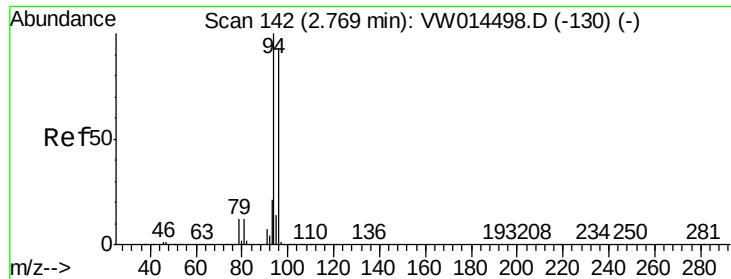
64 30.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.839 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 94 Resp: 95565

Ion Ratio Lower Upper

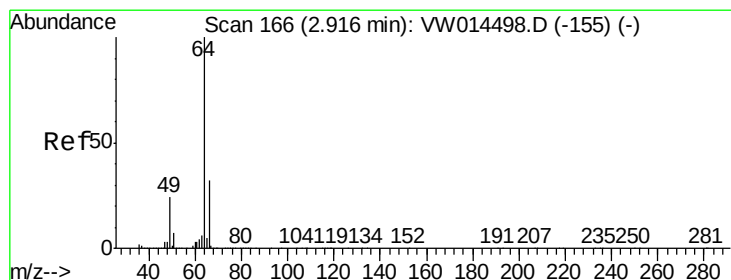
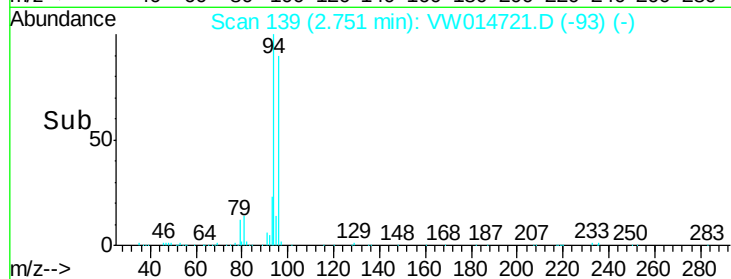
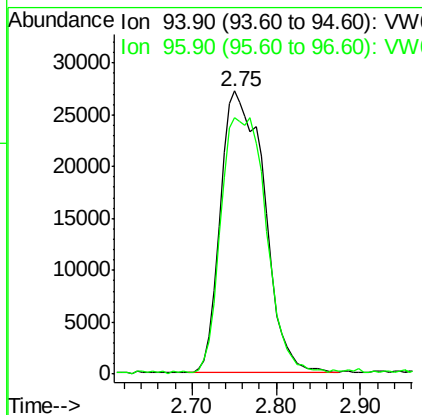
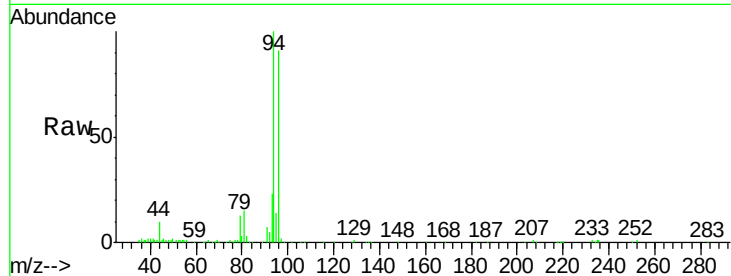
94 100

96 90.9 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 24.717 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014721.D

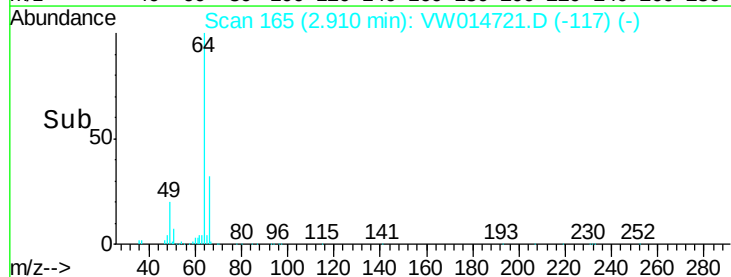
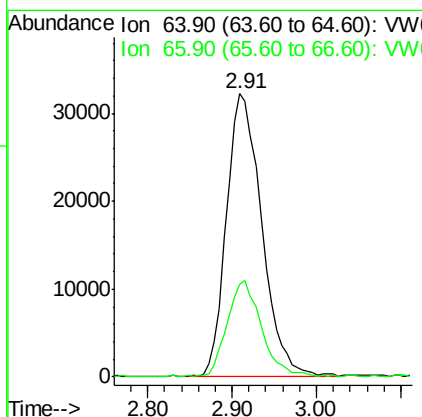
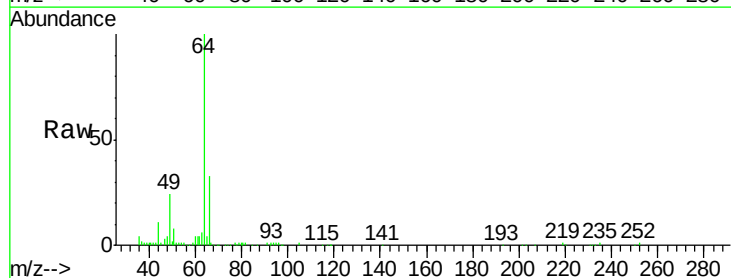
Acq: 23 Jan 2020 13:10

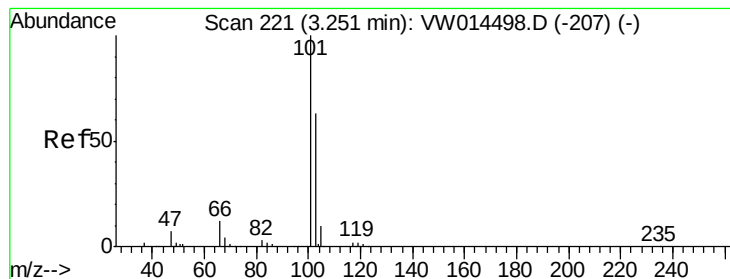
Tgt Ion: 64 Resp: 91432

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

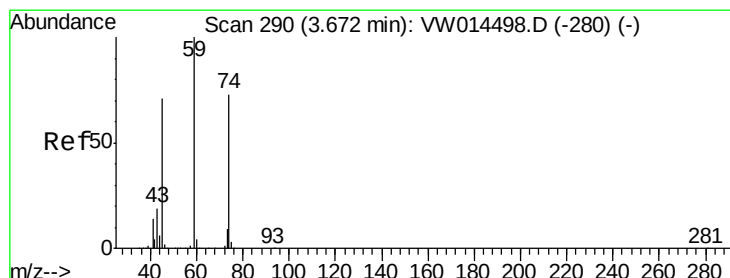
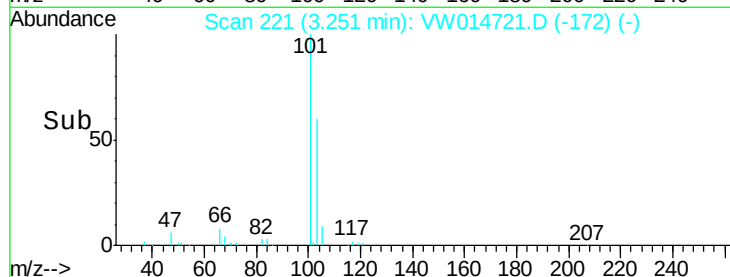
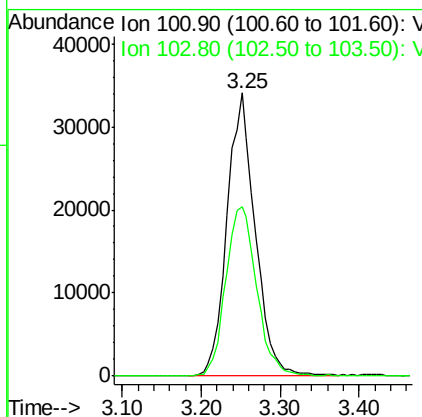
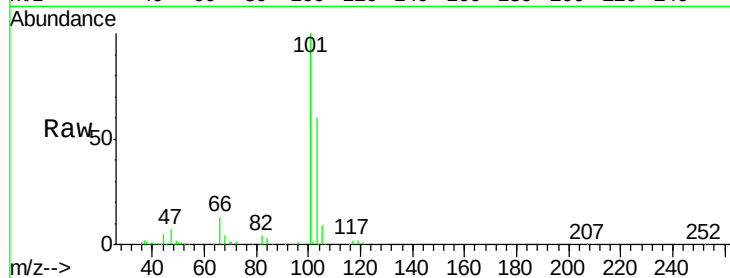
Trichlorofluoromethane
 Concen: 26.185 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	50.1	75.1

Manual Integrations
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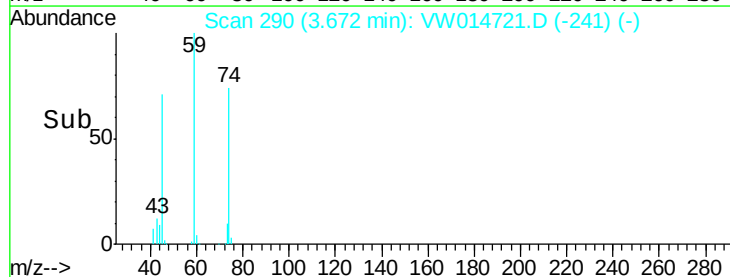
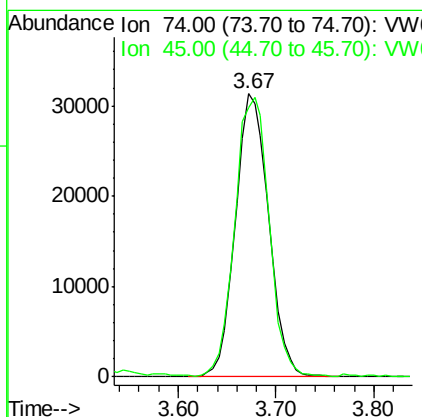
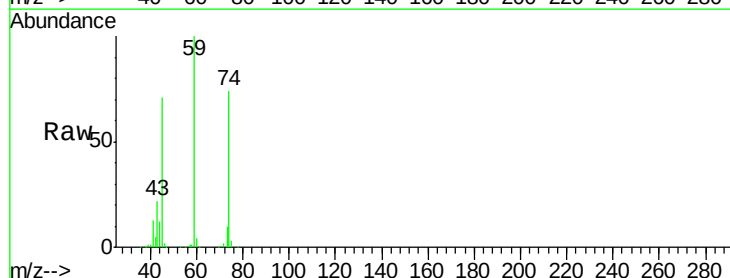
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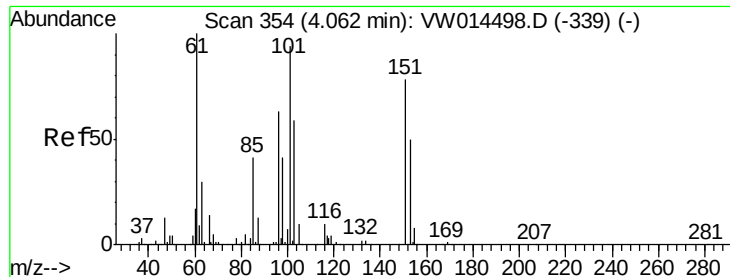


#8

Diethyl Ether
 Concen: 22.886 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.168 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

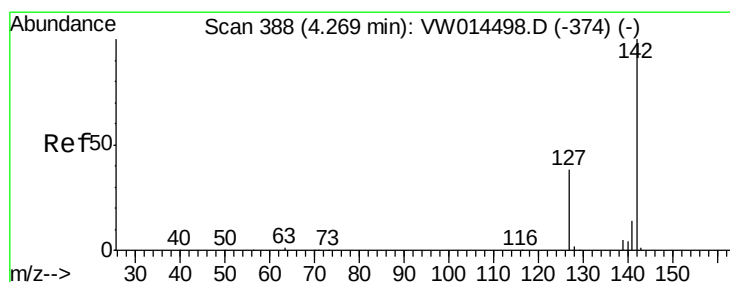
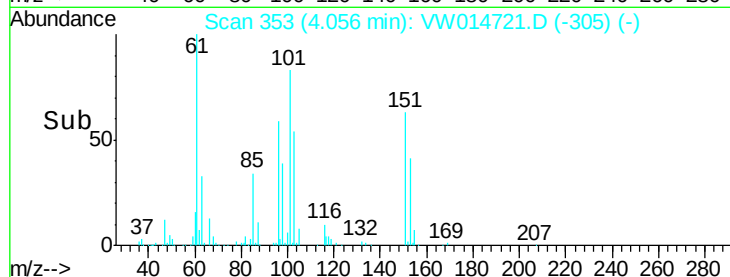
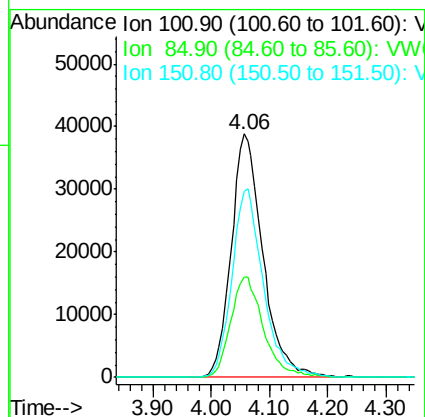
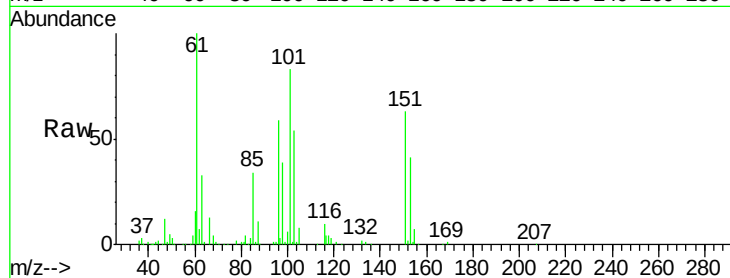
ClientSampleId :

VW0123SBSD01

Tot Ion:	101	Resp:	146614
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.7	50.5
151	77.0	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 22.532 ug/l

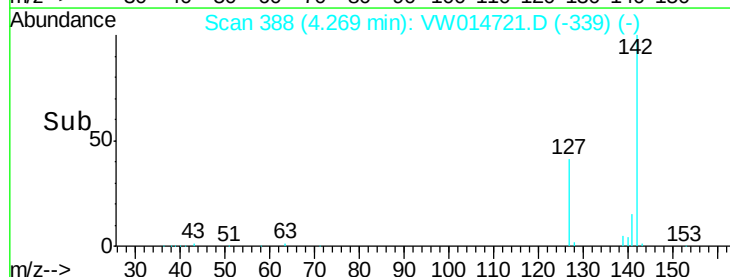
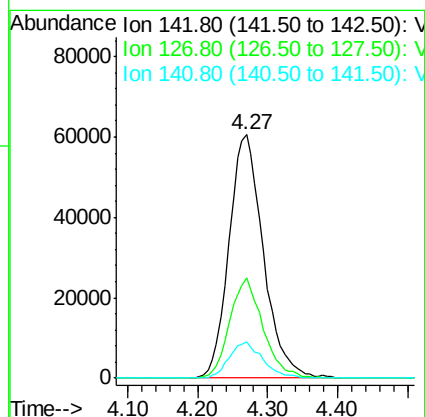
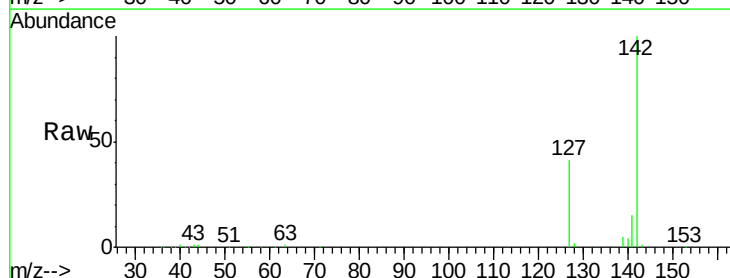
RT: 4.27 min Scan# 388

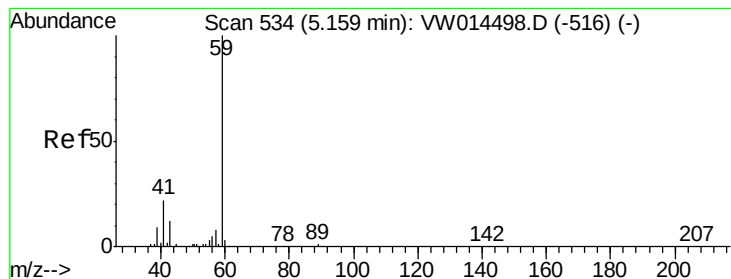
Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	142	Resp:	206241
Ion Ratio	Lower	Upper	
142	100		
127	39.9	30.2	45.4
141	14.5	11.4	17.2





#11

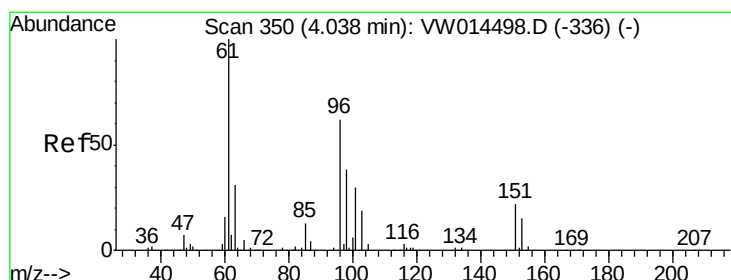
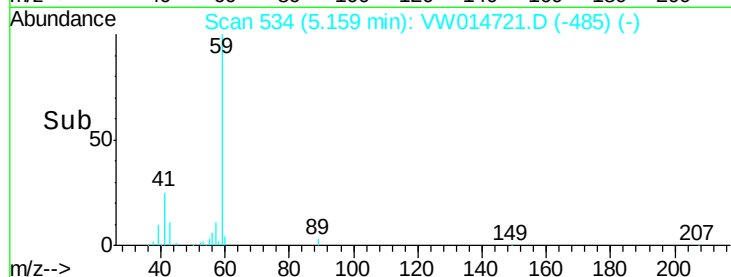
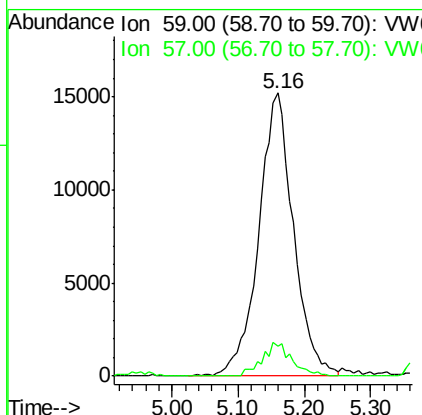
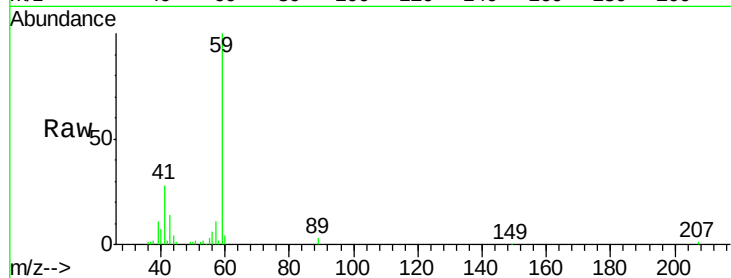
Tert butyl alcohol
Concen: 116.505 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8

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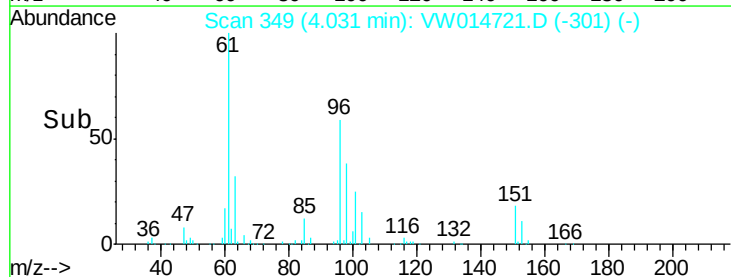
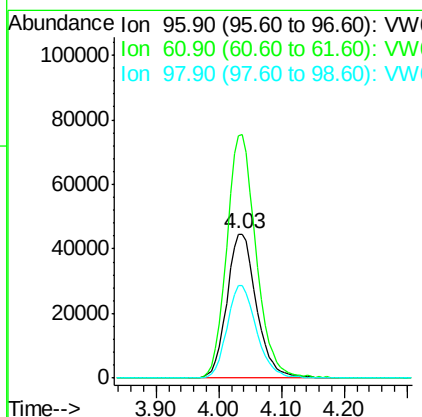
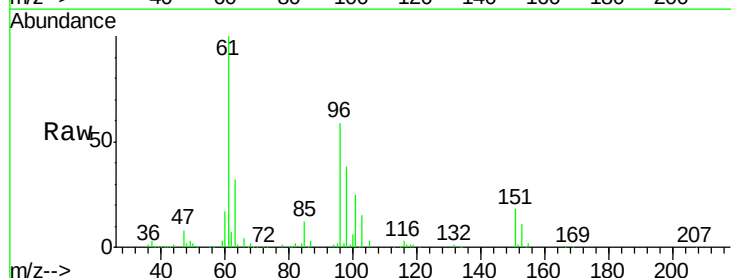
MMDadoda
1/24/2020 4:02:33 PM

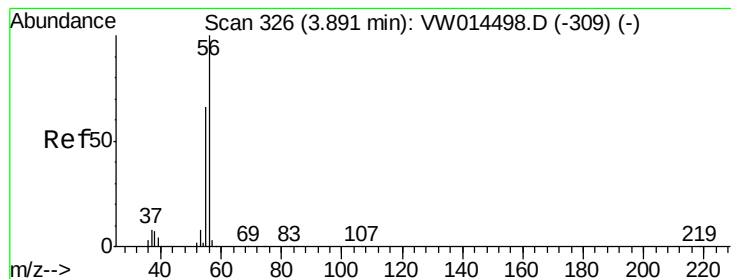


#12

1,1-Dichloroethene
Concen: 22.941 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	128.4	192.6
98	63.9	49.1	73.7





#13

Acrolein

Concen: 100.670 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 56 Resp: 49042

Ion Ratio Lower Upper

56 100

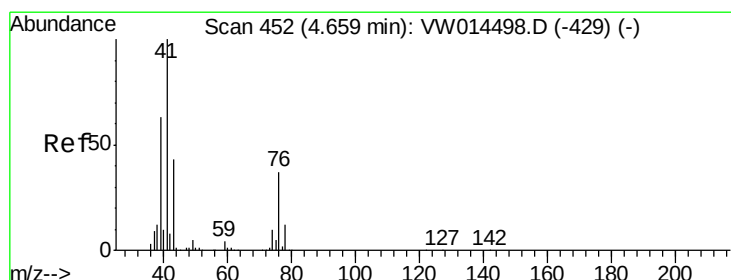
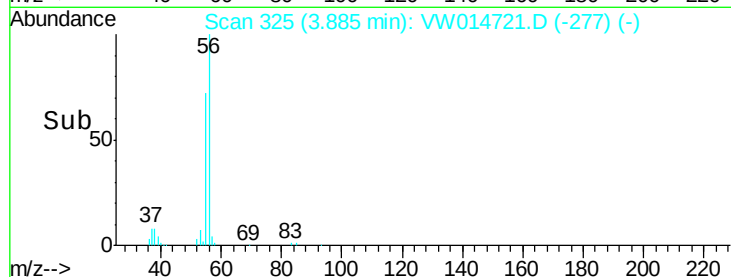
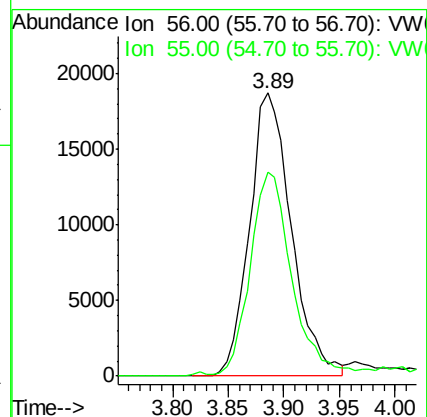
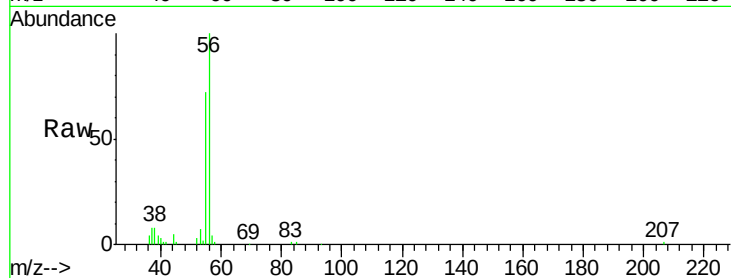
55 70.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 24.755 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

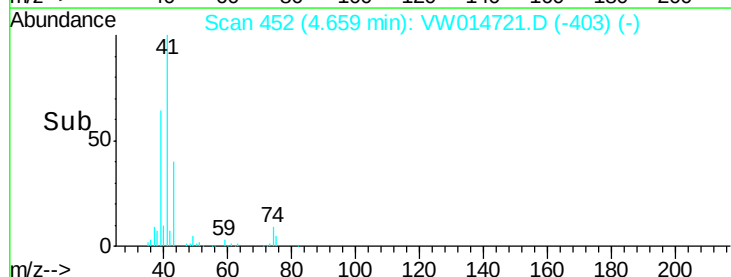
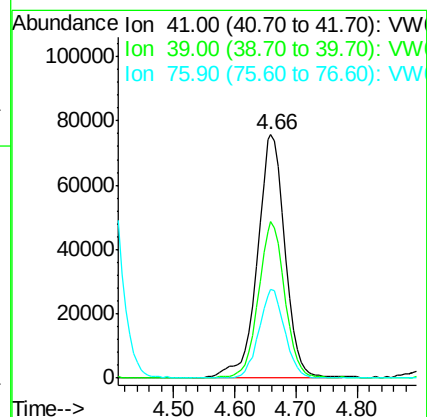
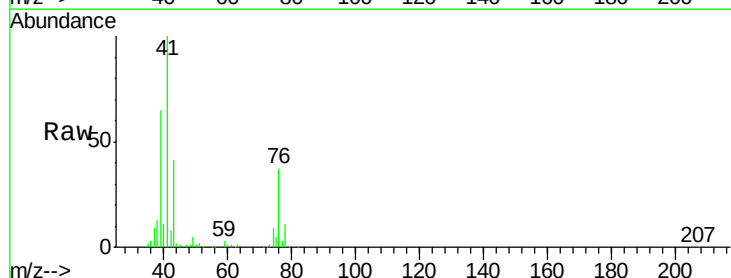
Tgt Ion: 41 Resp: 240324

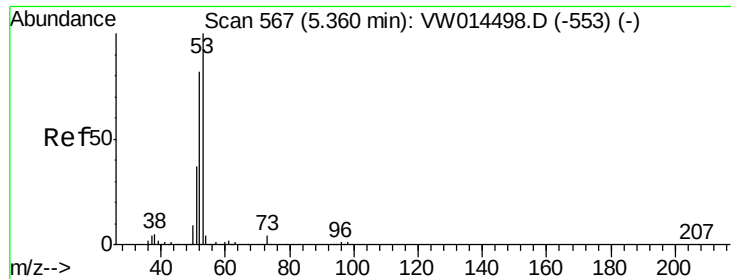
Ion Ratio Lower Upper

41 100

39 61.6 48.5 72.7

76 33.6 28.1 42.1





#15

Acrylonitrile

Concen: 118.714 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

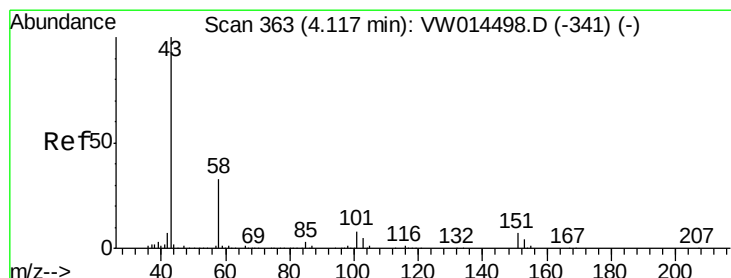
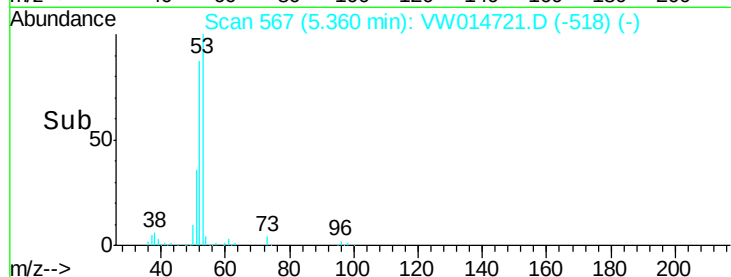
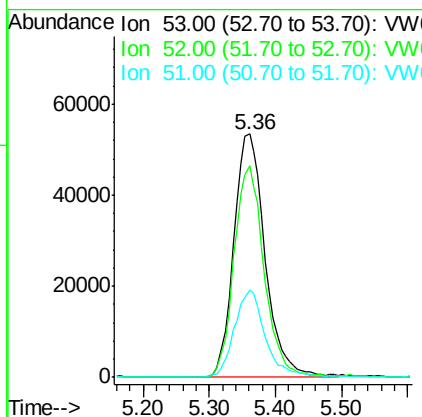
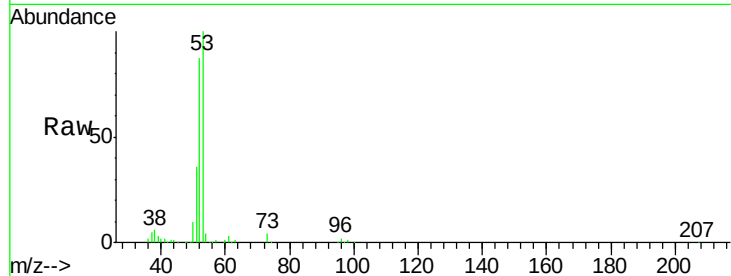
ClientSampleId :

VW0123SBSD01

Tot Ion:	53	Resp:	175295
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.5	99.7
51	35.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 105.749 ug/l

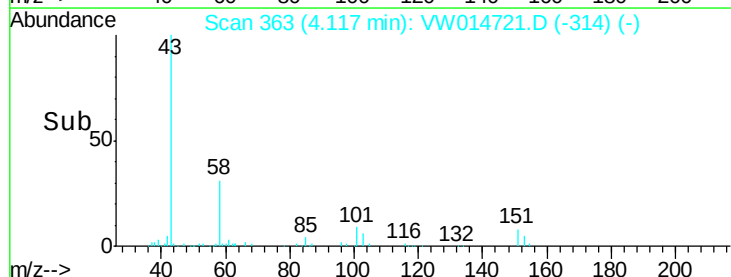
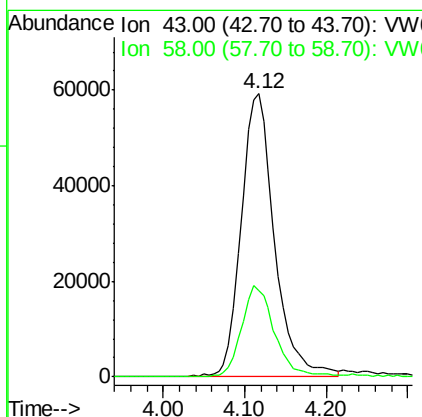
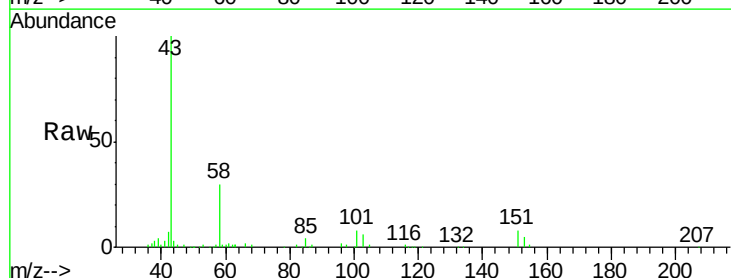
RT: 4.12 min Scan# 363

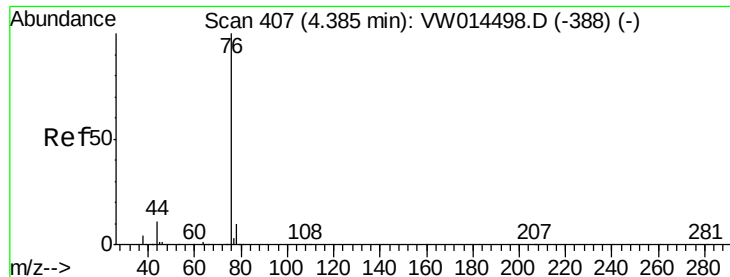
Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	43	Resp:	166663
Ion Ratio	Lower	Upper	
43	100		
58	30.5	26.6	39.8





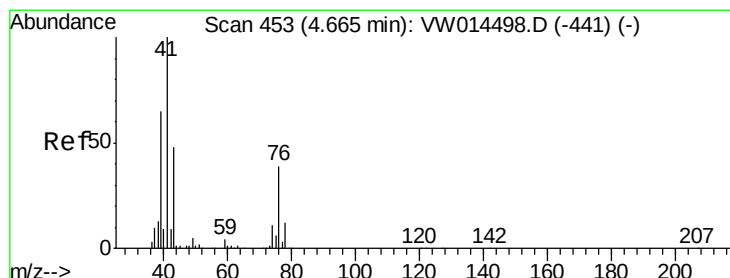
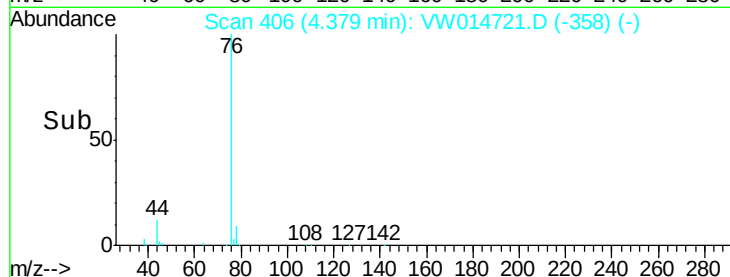
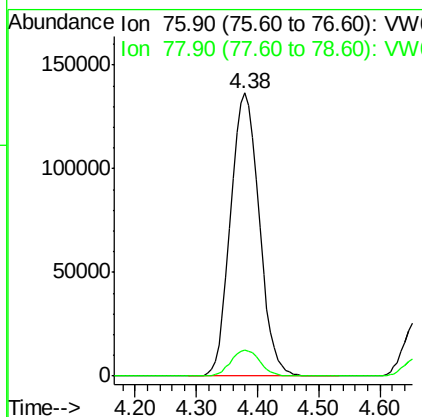
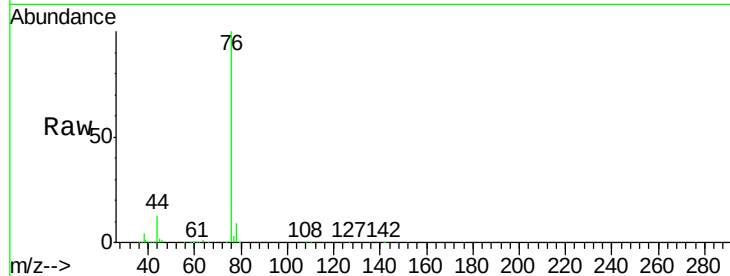
#17
Carbon Disulfide
Concen: 23.050 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.6

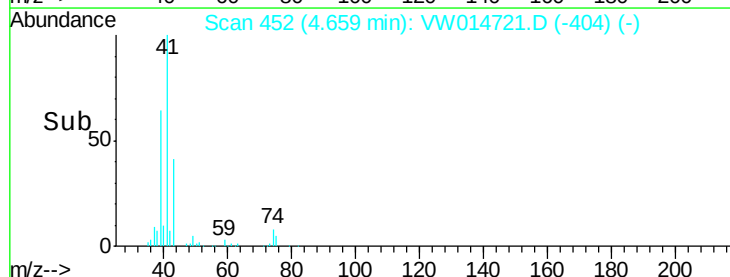
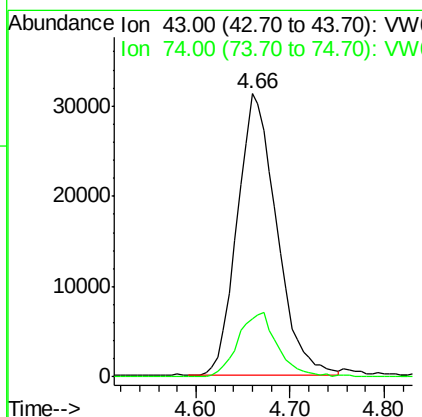
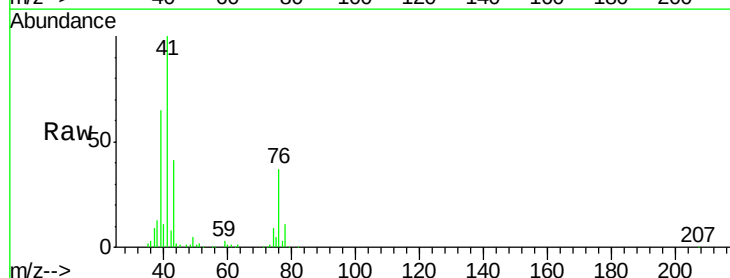
Manual Integrations
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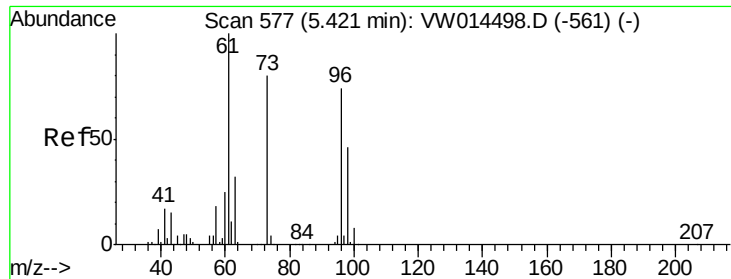
MMDadoda
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#18
Methyl Acetate
Concen: 24.030 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.3	28.9





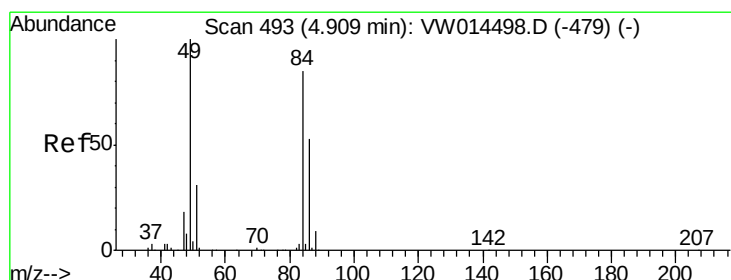
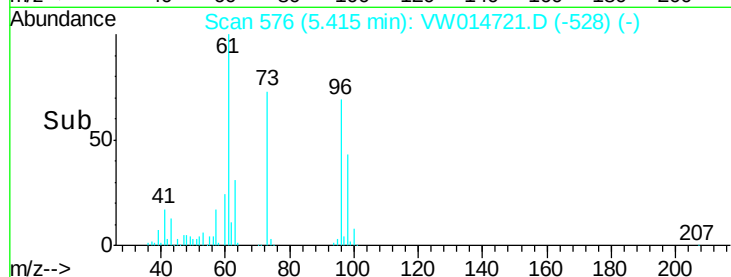
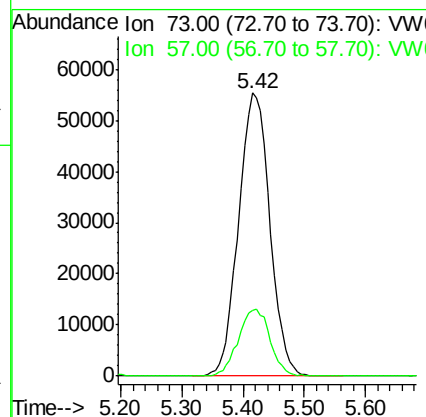
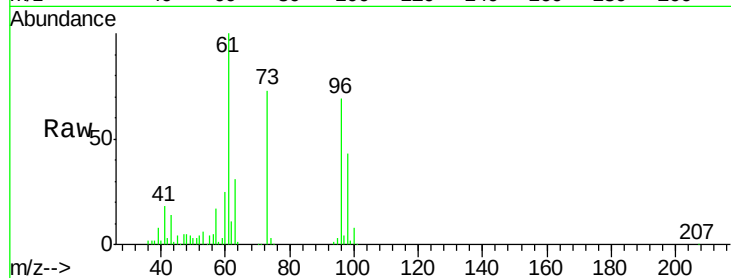
#19
Methyl tert-butyl Ether
Concen: 24.785 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.1	27.1

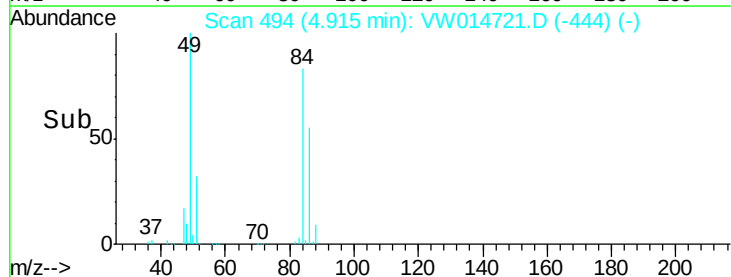
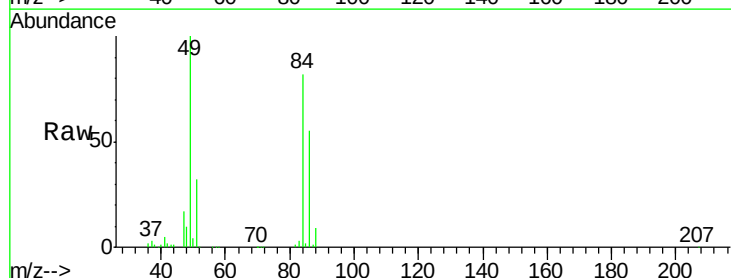
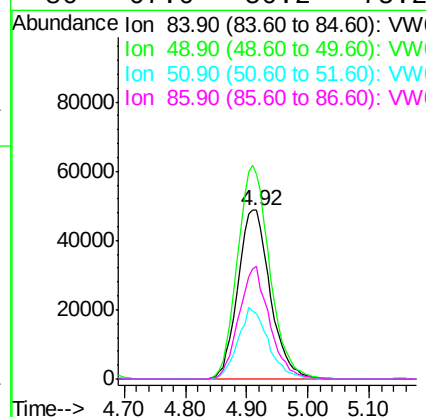
Manual Integrations
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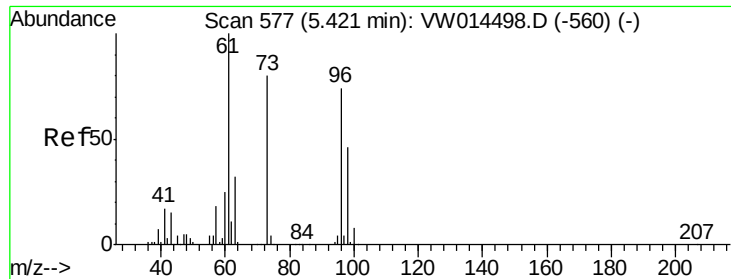
MMDadoda
1/24/2020 4:02:33 PM



#20
Methylene Chloride
Concen: 25.822 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	94.4	141.6
51	38.8	29.5	44.3
86	67.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 23.269 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

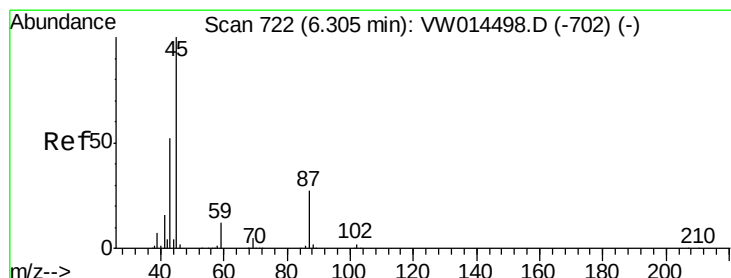
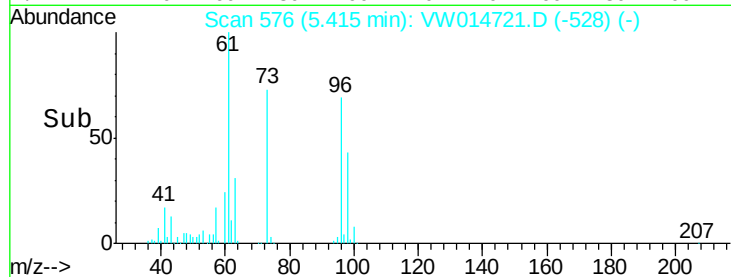
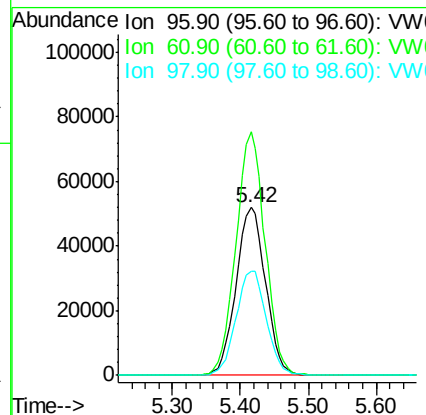
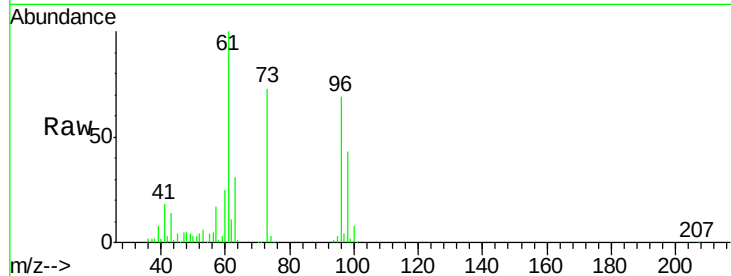
ClientSampleId :

VW0123SBS01

Tot Ion:	96	Resp:	156961
Ion	Ratio	Lower	Upper
96	100		
61	145.0	107.8	161.6
98	62.0	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 25.502 ug/l

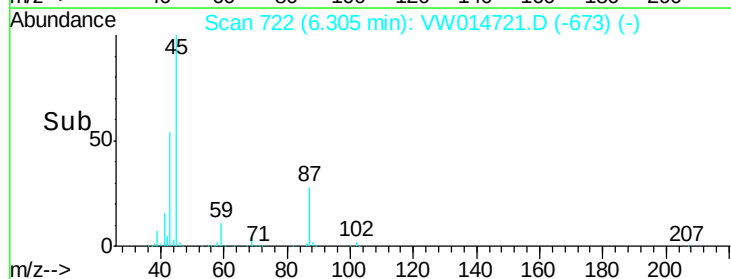
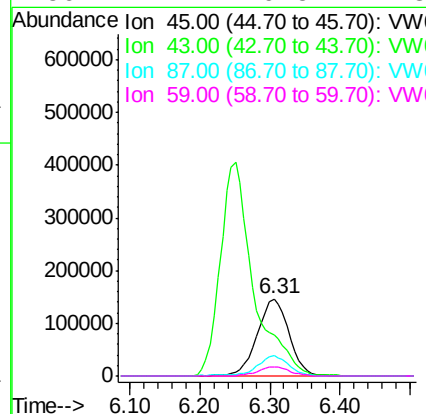
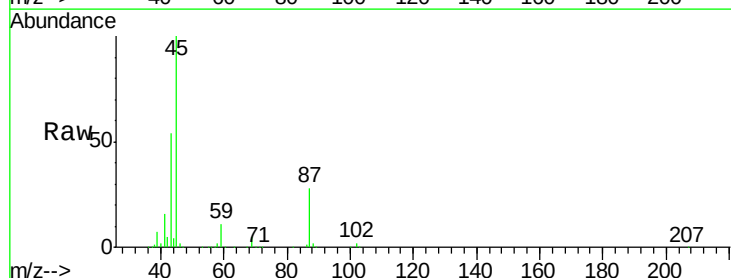
RT: 6.31 min Scan# 722

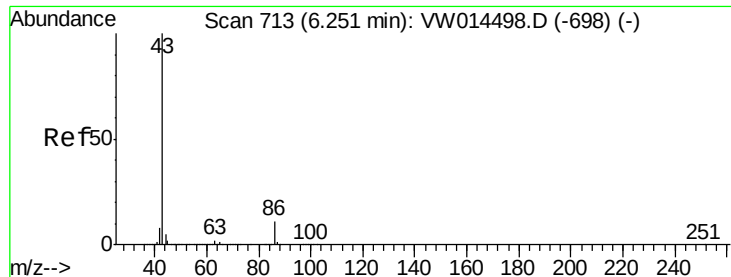
Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	45	Resp:	463397
Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.4	62.0
87	27.4	22.2	33.2
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 121.630 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tot Ion: 43 Resp: 1334632

Ion Ratio Lower Upper

43 100

86 10.2 8.8 13.2

Instrument :

MSVOA_W

ClientSampleId :

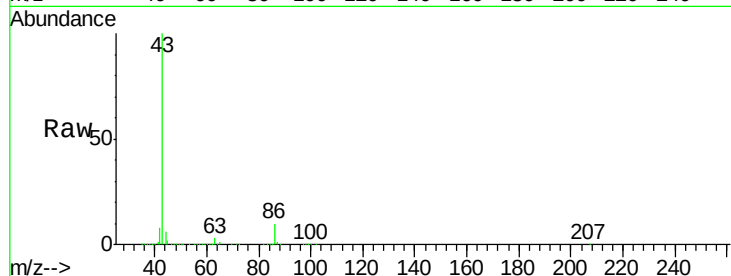
VW0123SBS01

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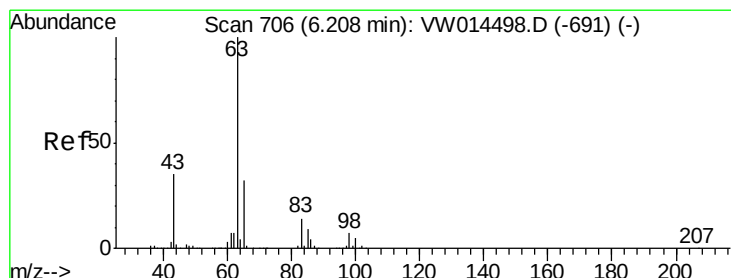
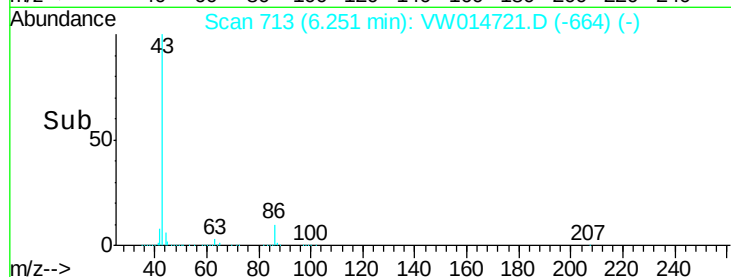
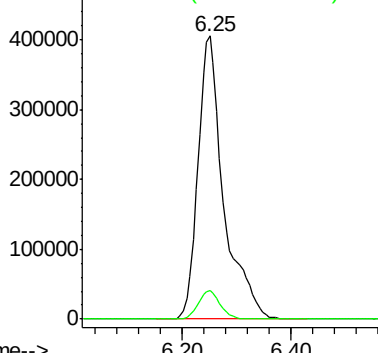
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 24.588 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

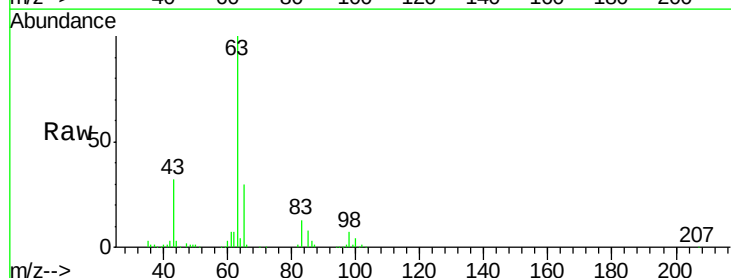
Tgt Ion: 63 Resp: 281828

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

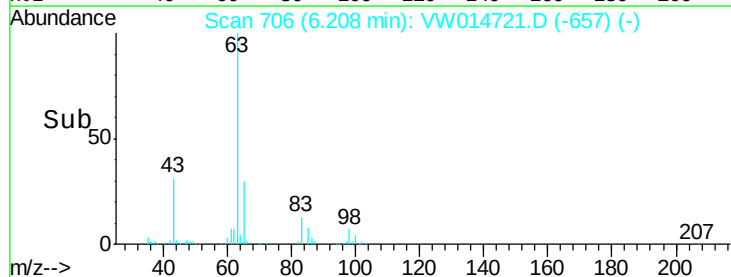
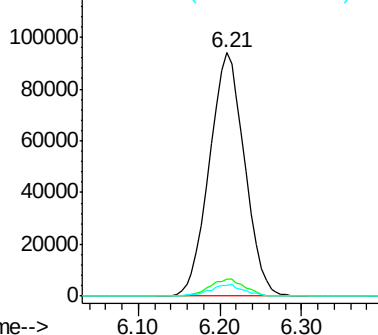
100 4.3 2.5 7.4

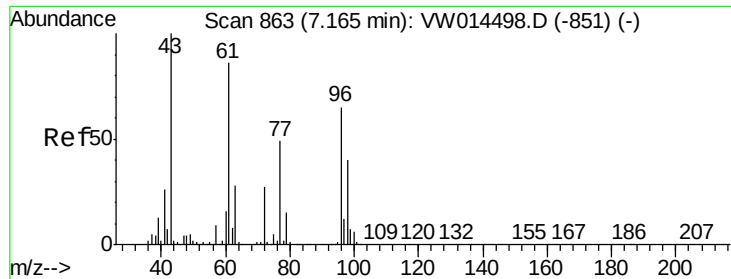


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 116.046 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 43 Resp: 234710

Ion Ratio Lower Upper

43 100

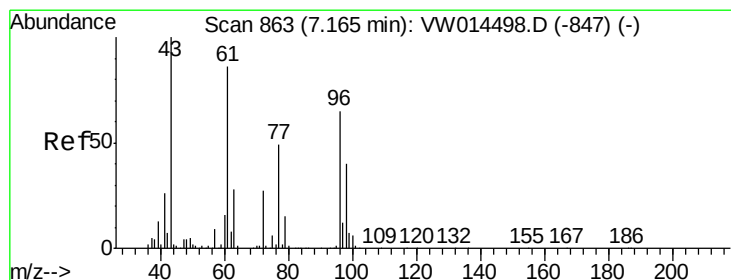
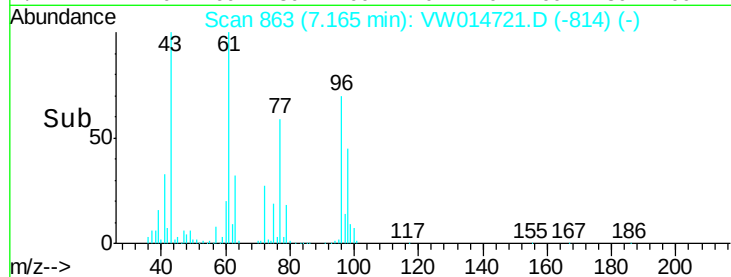
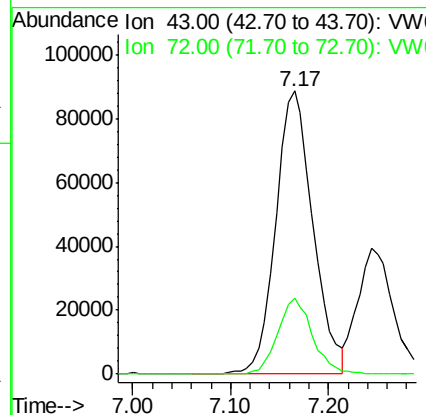
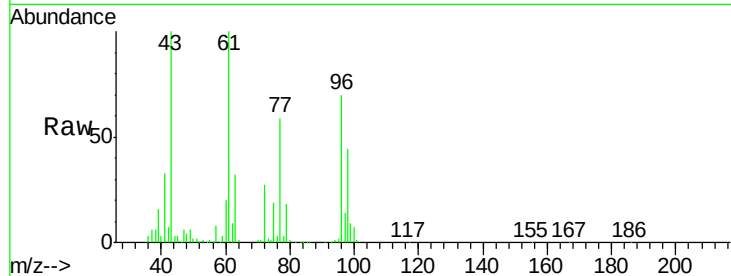
72 26.9 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.685 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014721.D

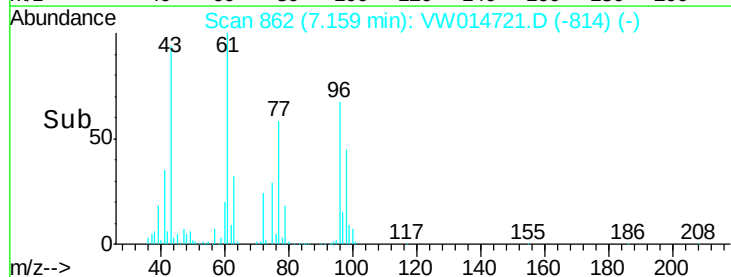
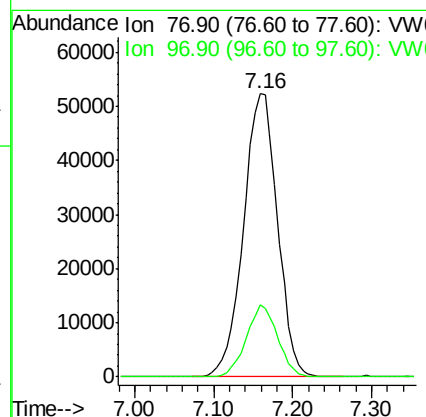
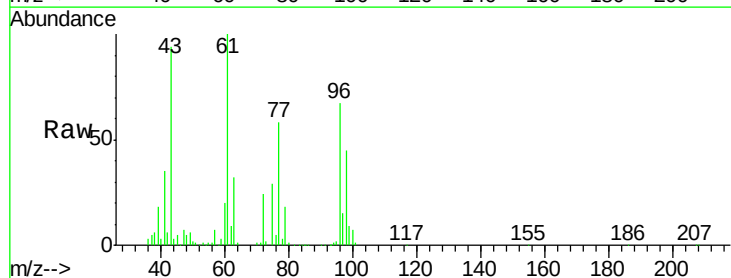
Acq: 23 Jan 2020 13:10

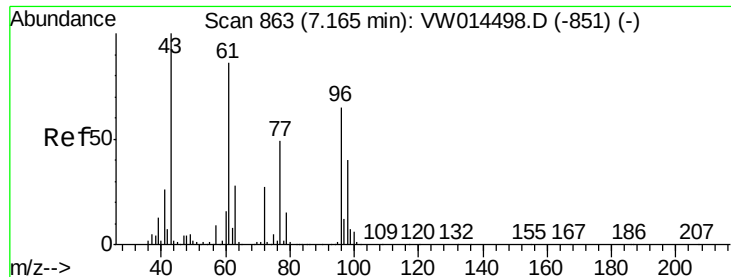
Tgt Ion: 77 Resp: 156650

Ion Ratio Lower Upper

77 100

97 23.3 12.5 37.5





#27

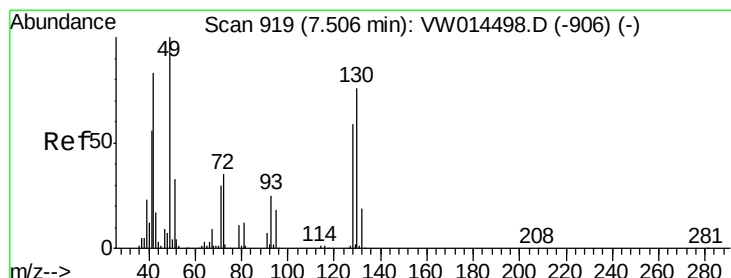
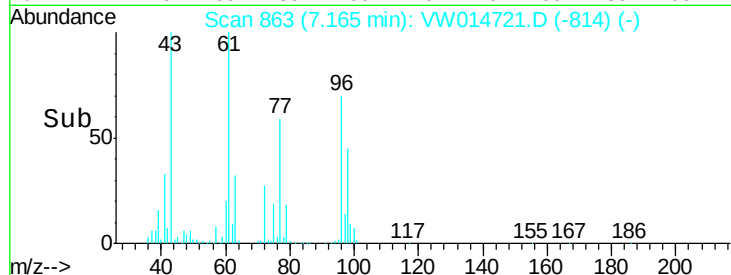
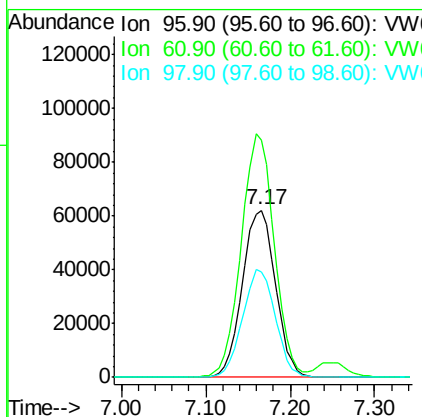
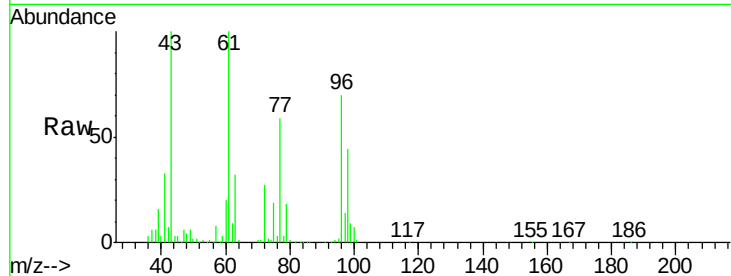
cis-1,2-Dichloroethene
Concen: 23.378 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	274.8
98	63.8	0.0	128.6

Manual Integrations
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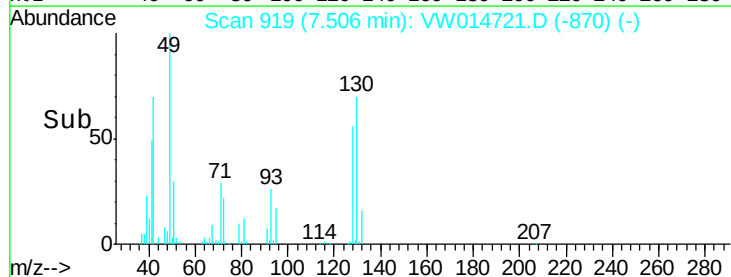
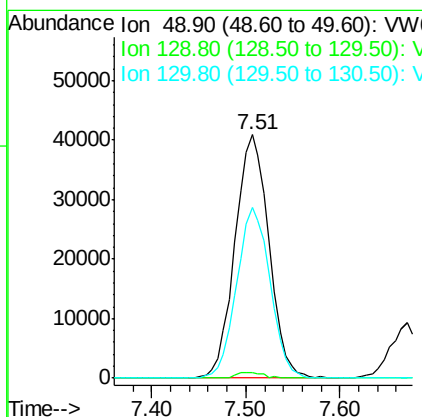
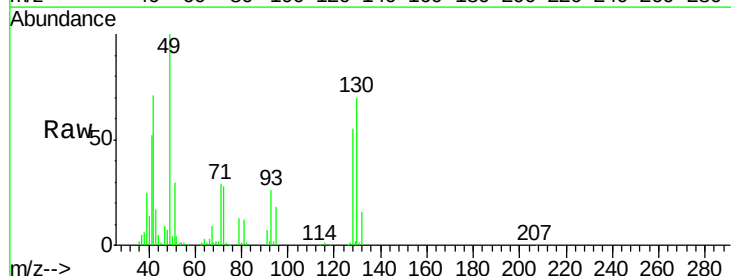
MMDadoda
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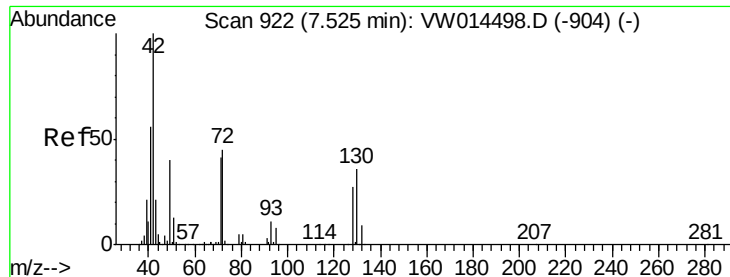


#28

Bromochloromethane
Concen: 22.910 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0
130	69.4	62.5	93.7





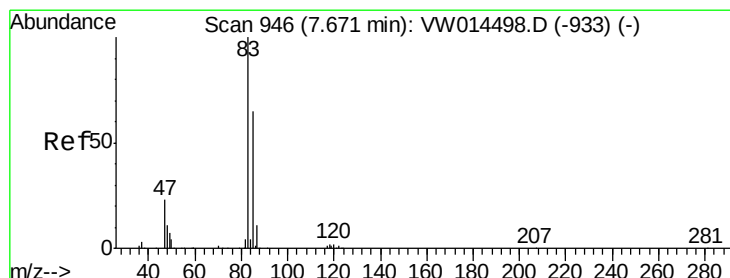
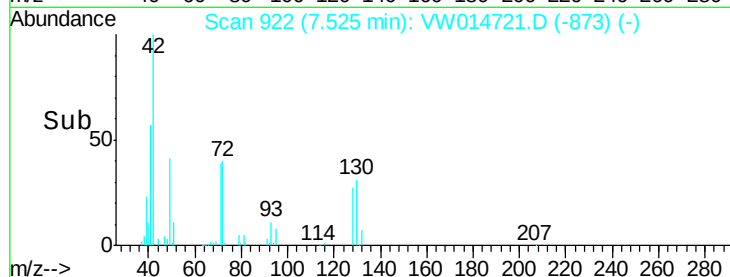
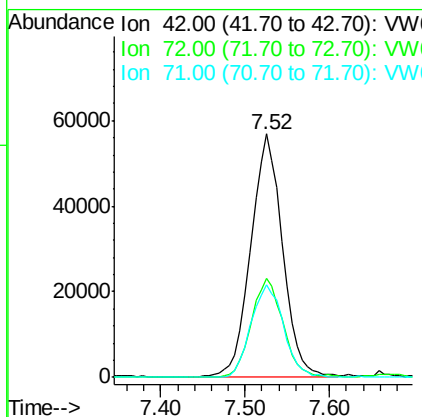
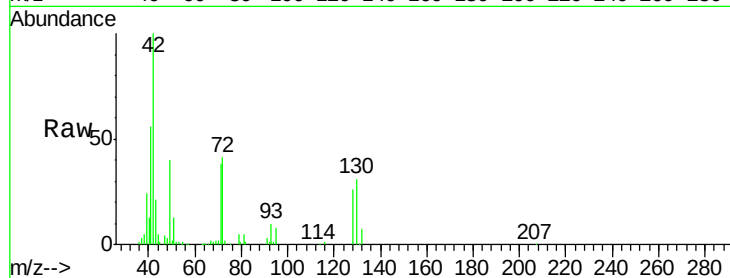
#29
Tetrahydrofuran
Concen: 116.144 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	34.5	51.7
71	39.4	32.0	48.0

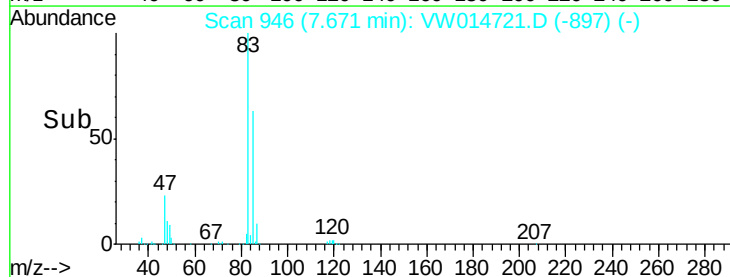
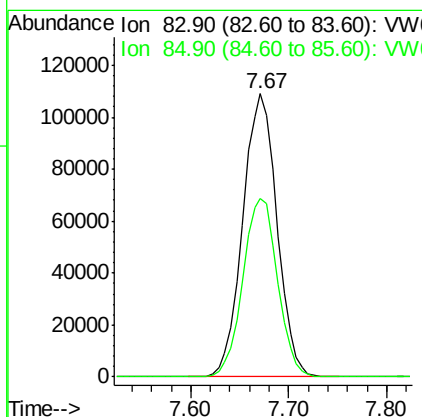
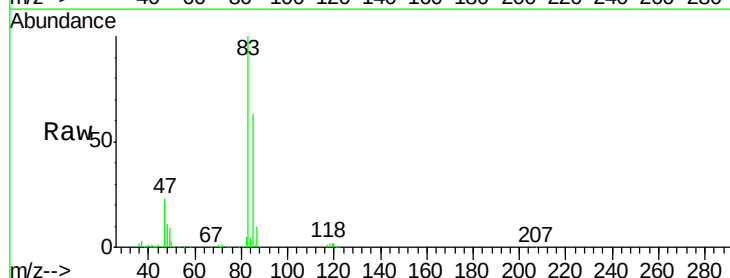
Manual Integrations
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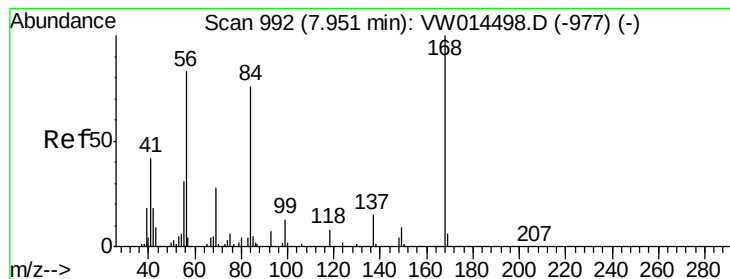
MMDadoda
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#30
Chloroform
Concen: 24.662 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2





#31

Cyclohexane

Concen: 23.446 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

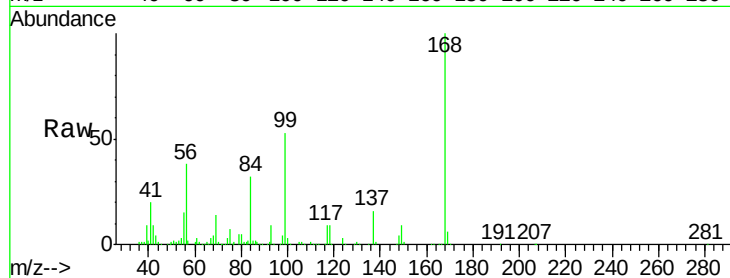
ClientSampleId :

VW0123SBSD01

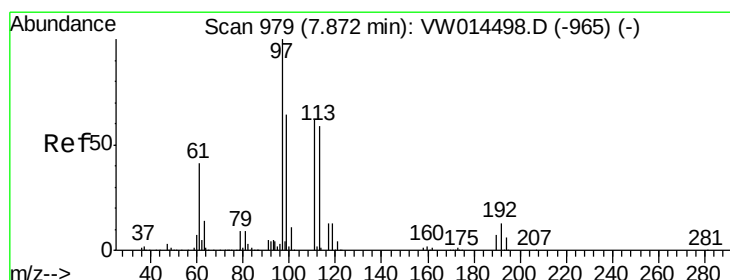
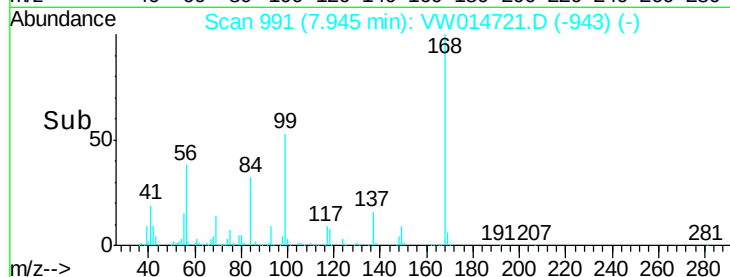
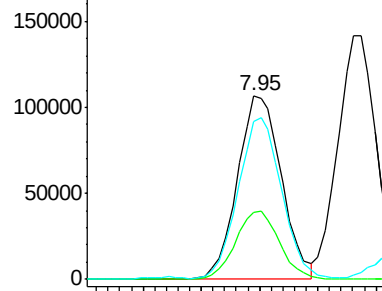
Tot Ion:	56	Resp:	279287
Ion Ratio	Lower	Upper	
56	100		
69	36.7	26.8	40.2
84	84.8	71.8	107.6

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 24.924 ug/l

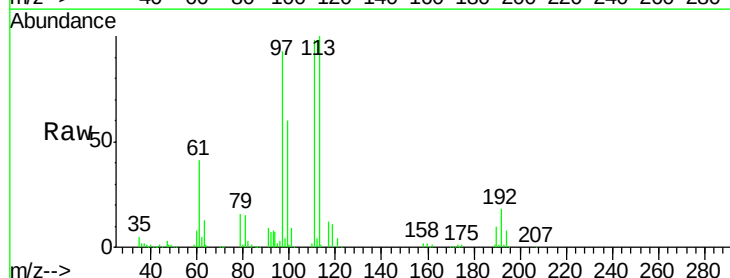
RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

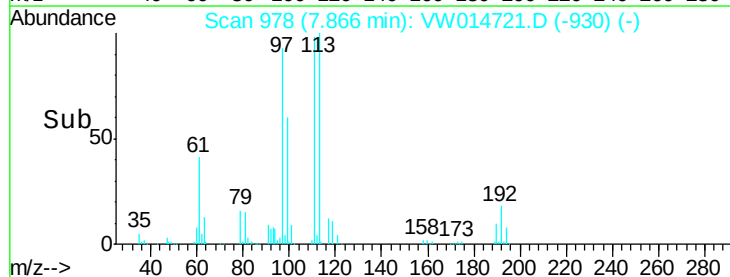
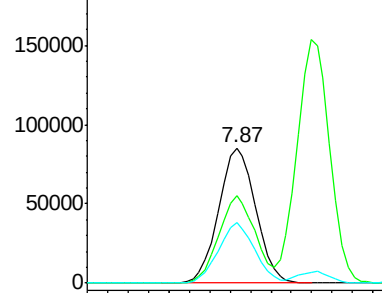
Lab File: VW014721.D

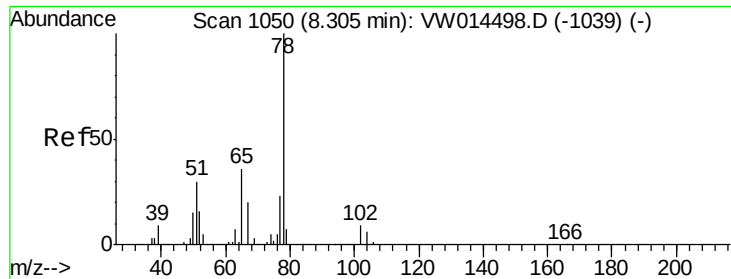
Acq: 23 Jan 2020 13:10

Tgt Ion:	97	Resp:	214856
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.6
61	44.3	33.8	50.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





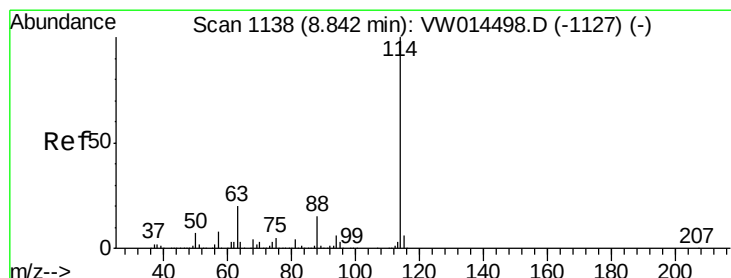
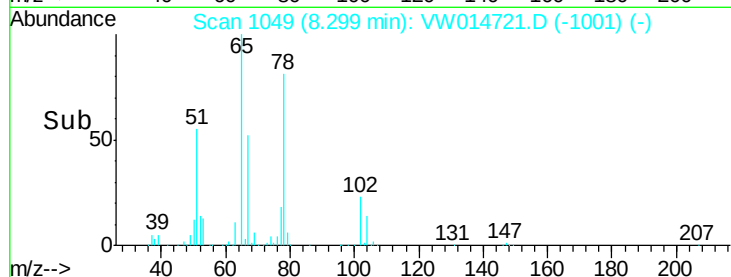
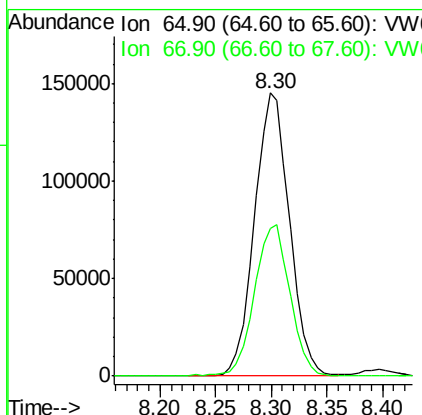
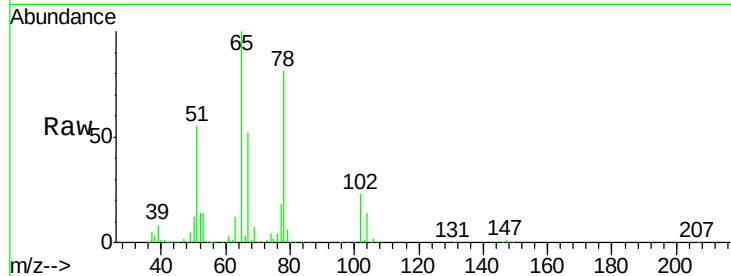
#33
 1,2-Dichloroethane-d4
 Concen: 56.965 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	108.4	

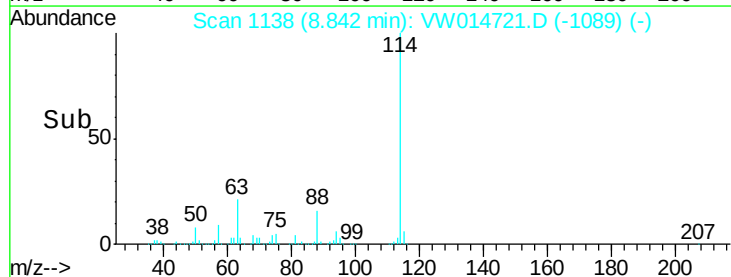
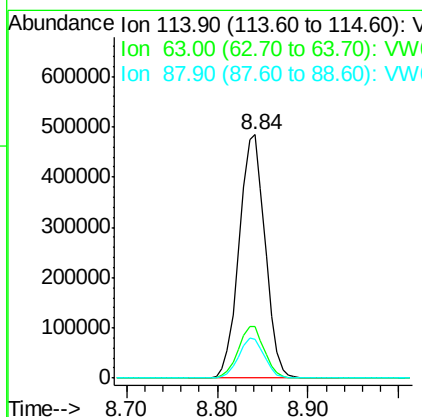
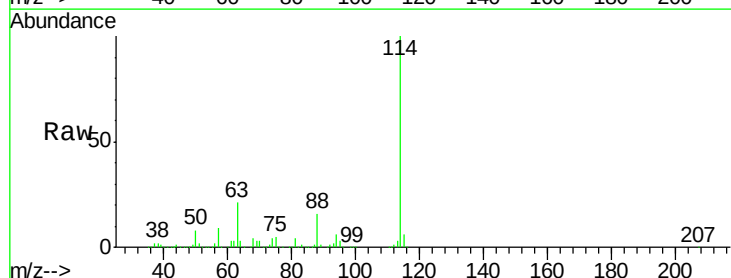
Manual Integrations
 APPROVED

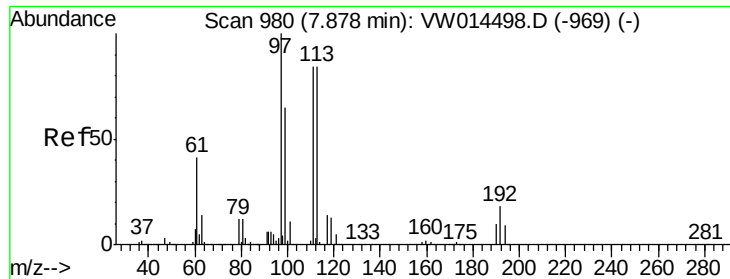
MMDadoda
 1/24/2020 4:02:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	40.4	
88	16.0	0.0	30.6	





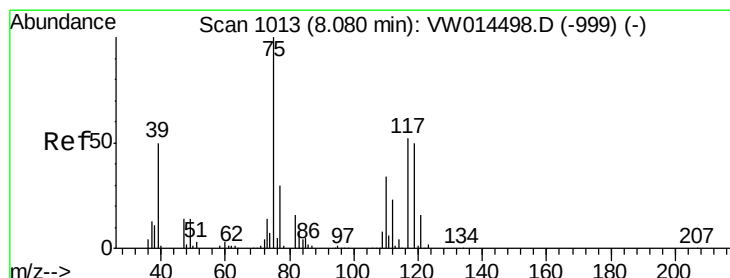
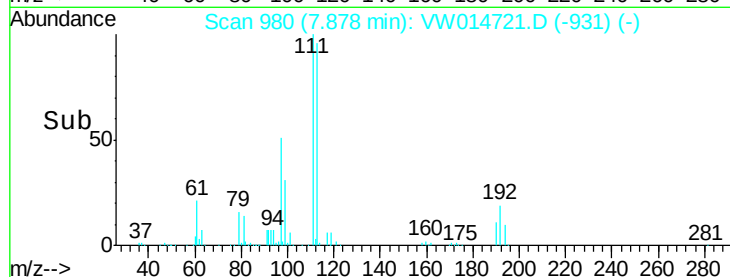
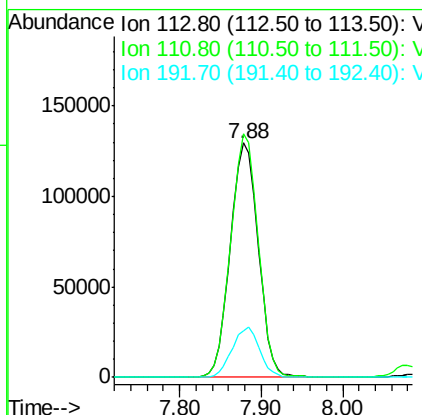
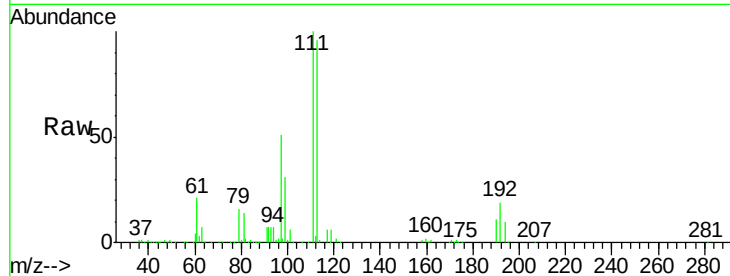
#35
 Dibromofluoromethane
 Concen: 55.894 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.4	122.2	
192	21.2	17.8	26.8	

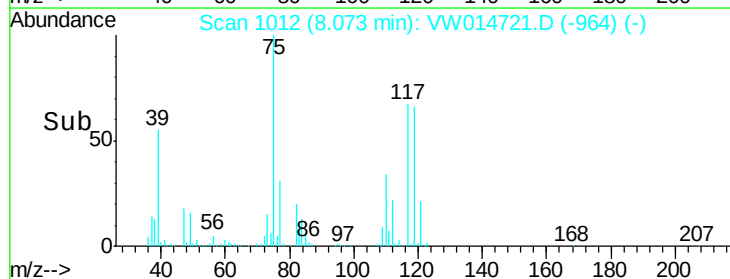
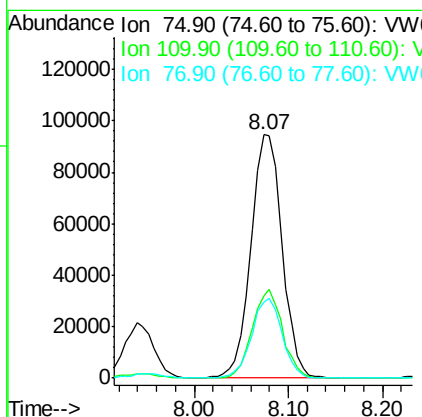
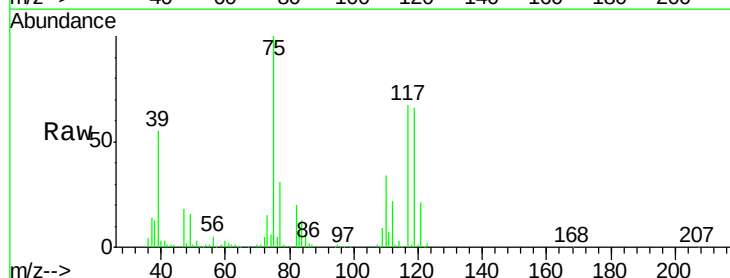
Manual Integrations
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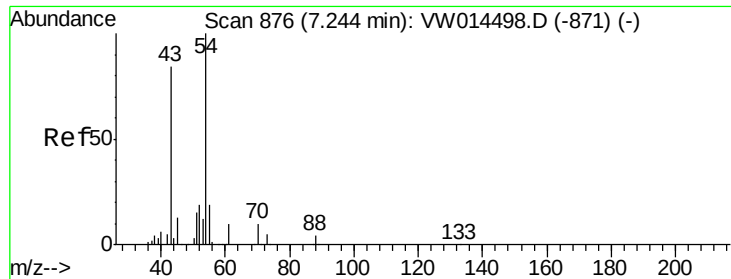
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#36
 1,1-Dichloropropene
 Concen: 23.697 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.8	53.5	
77	32.3	24.7	37.1	





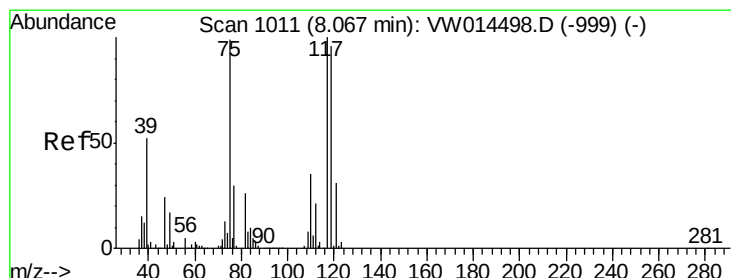
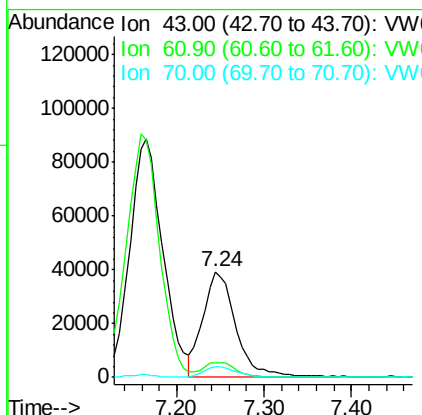
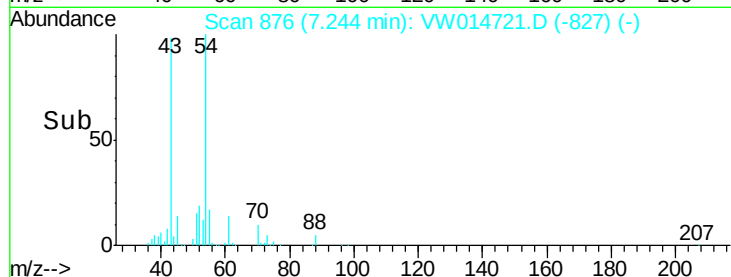
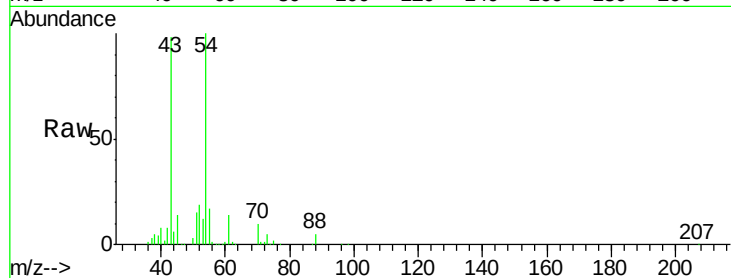
#37
Ethyl Acetate
Concen: 24.103 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	10.6	9.0	13.6

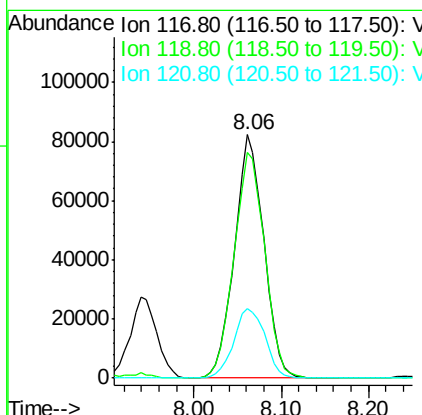
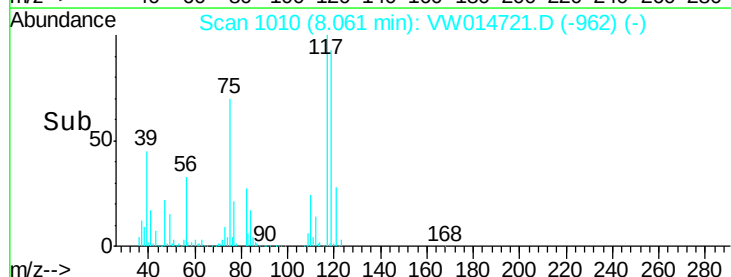
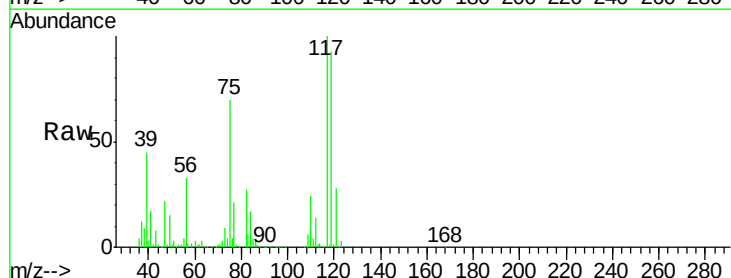
Manual Integrations
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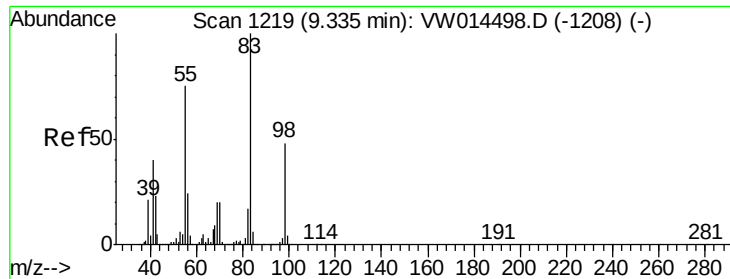
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.971 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.0	115.6
121	28.3	24.6	36.8





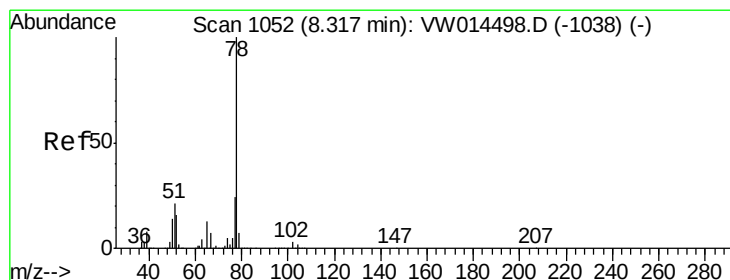
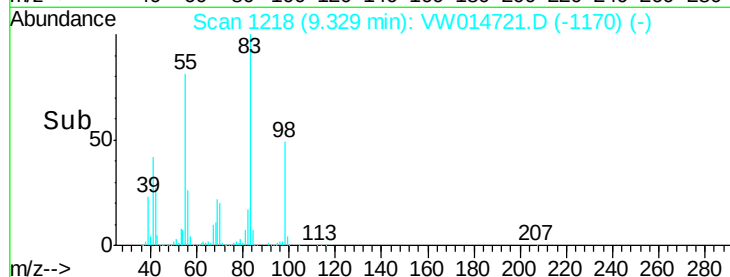
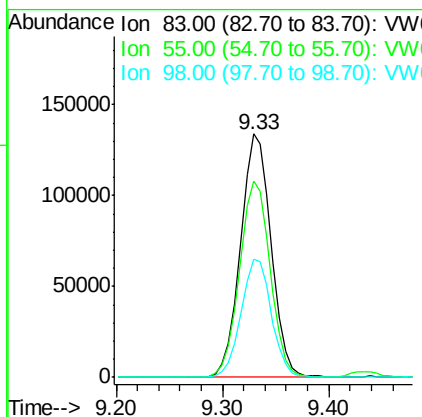
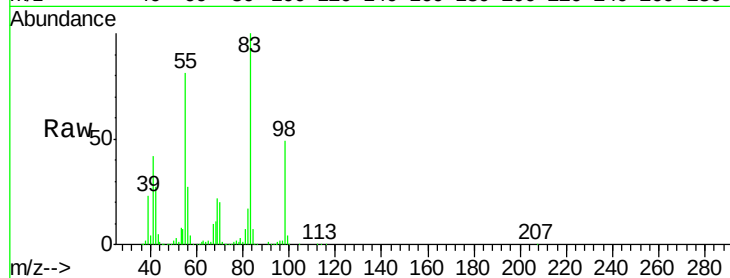
#39
Methylvlcyclohexane
Concen: 22.798 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	60.1	90.1
98	48.5	38.8	58.2

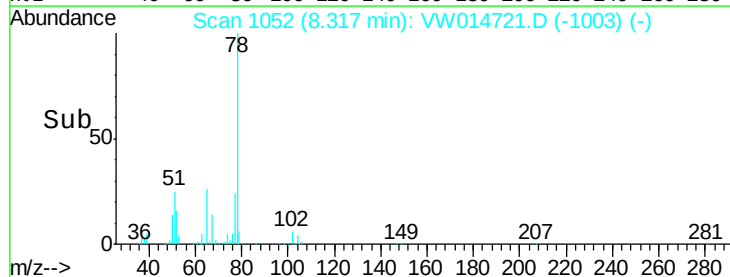
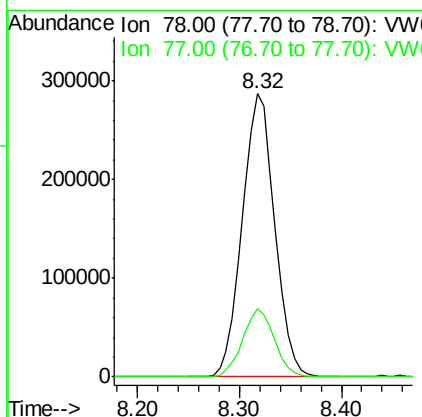
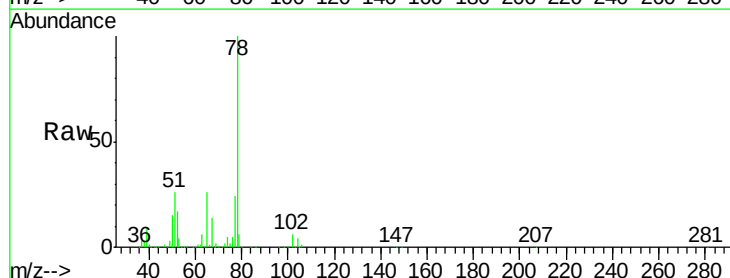
Manual Integrations
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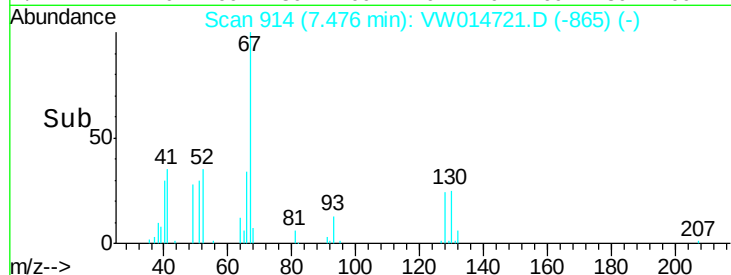
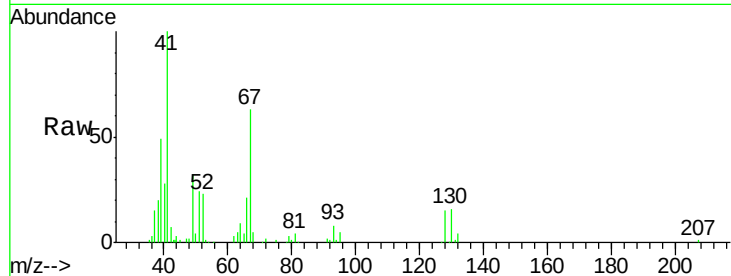
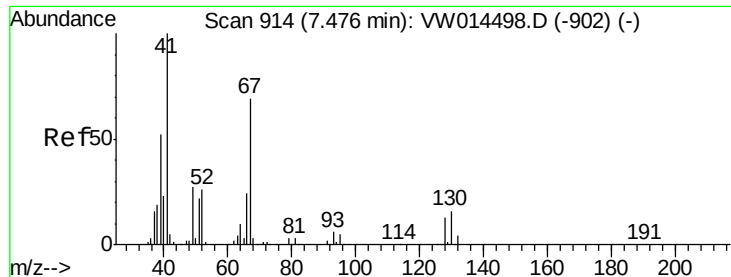
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#40
Benzene
Concen: 24.266 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





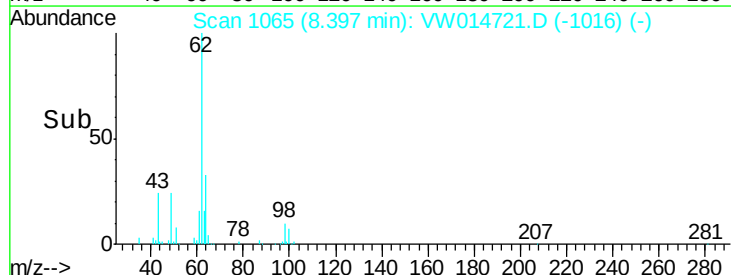
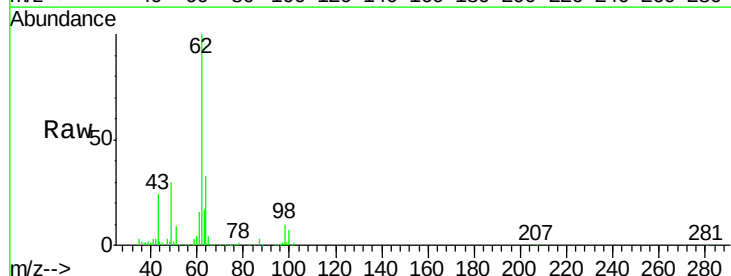
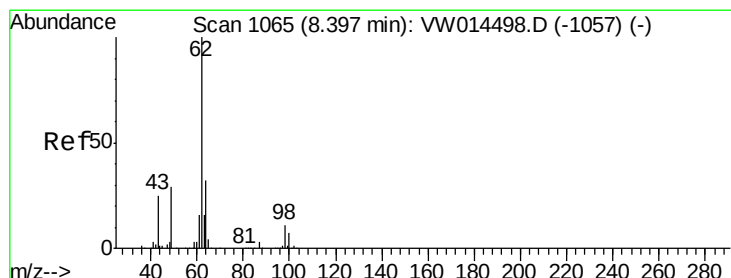
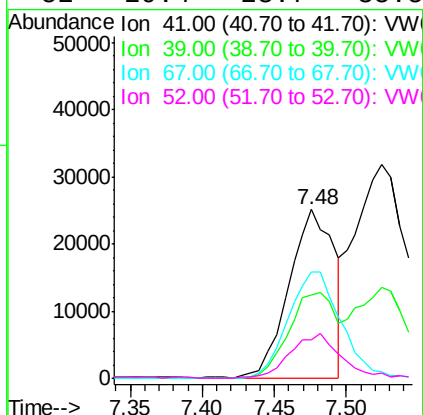
#41
Methacrylonitrile
Concen: 23.461 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41.00	100	54806		
39	39.00	52.2		46.0	69.0
67	67.00	73.7		60.8	91.2
52	52.00	29.4		23.7	35.5

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

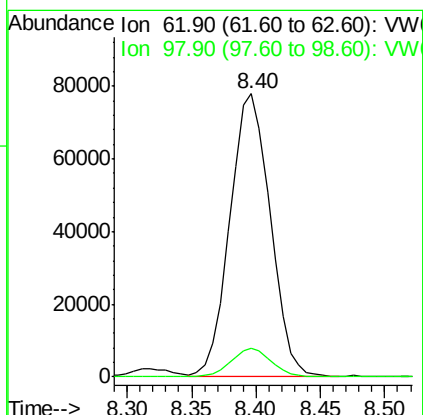
Manual Integrations
APPROVED

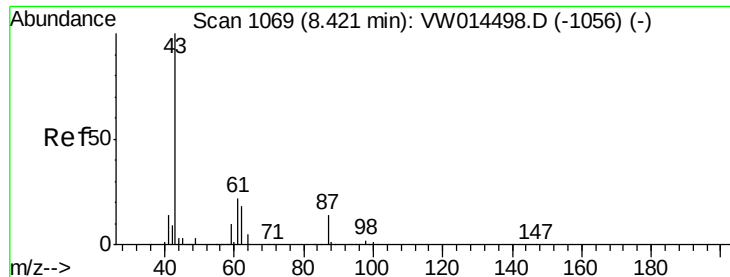
MMDadoda
1/24/2020 4:02:33 PM



#42
1,2-Dichloroethane
Concen: 24.996 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62.00	100	169586		
98	98.00	10.1		0.0	22.0





#43

Isopropyl Acetate

Concen: 24.191 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

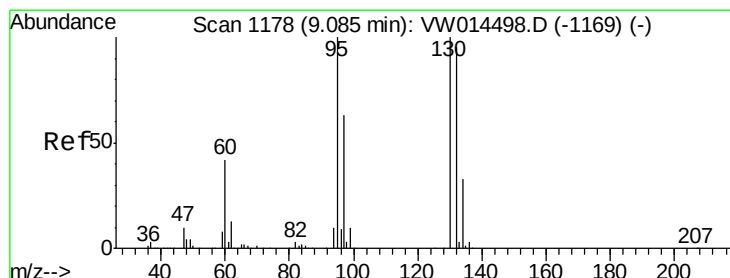
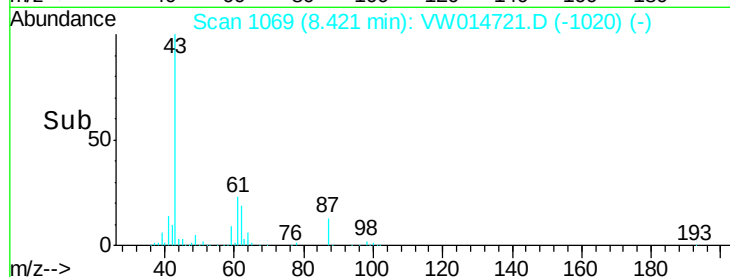
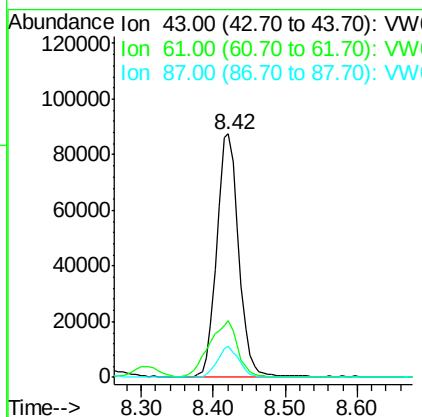
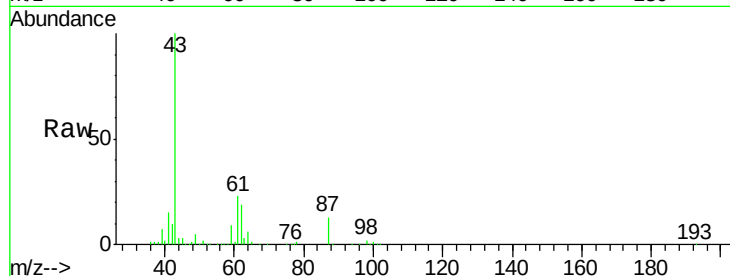
ClientSampleId :

VW0123SBS01

Tot Ion:	43	Resp:	184090
Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.7	37.1
87	12.5	11.1	16.7

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#44

Trichloroethene

Concen: 22.969 ug/l

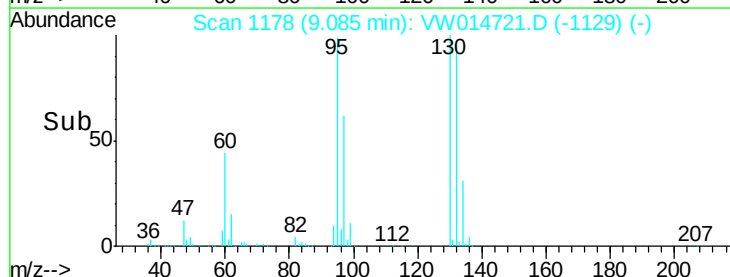
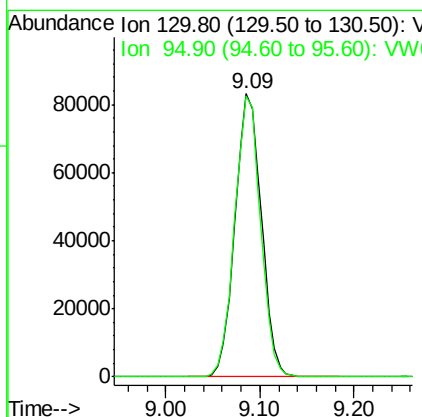
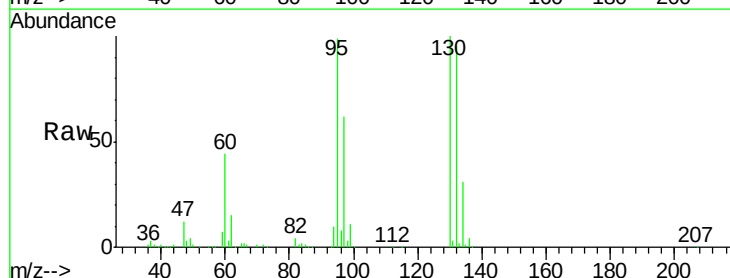
RT: 9.09 min Scan# 1178

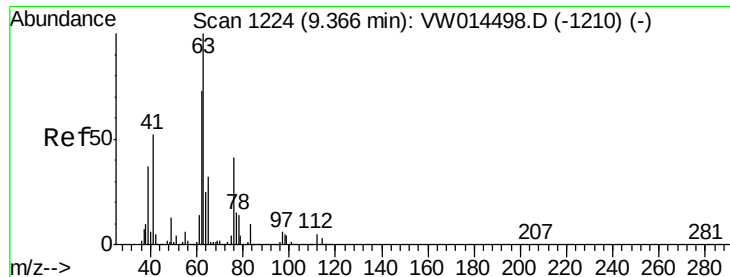
Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	130	Resp:	162490
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	199.4





#45

1,2-Dichloropropane

Concen: 24.406 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 63 Resp: 156573

Ion Ratio Lower Upper

63 100

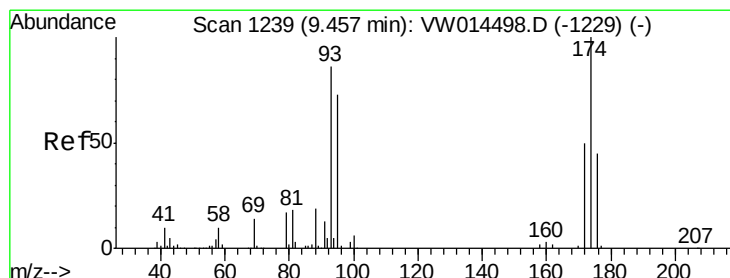
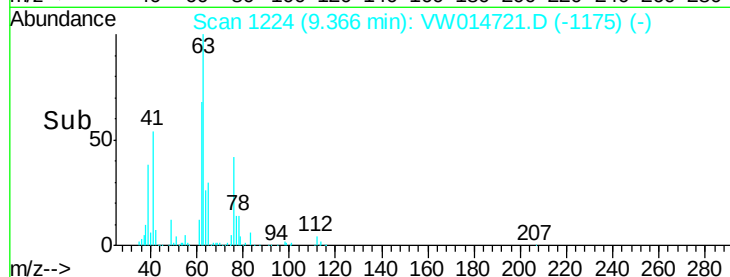
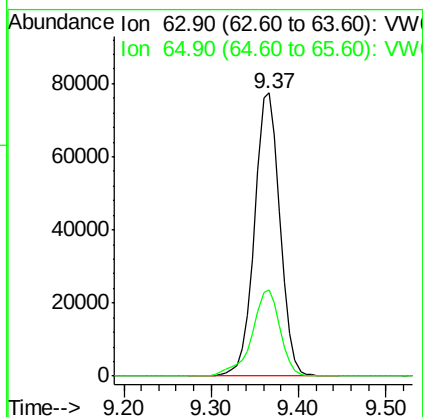
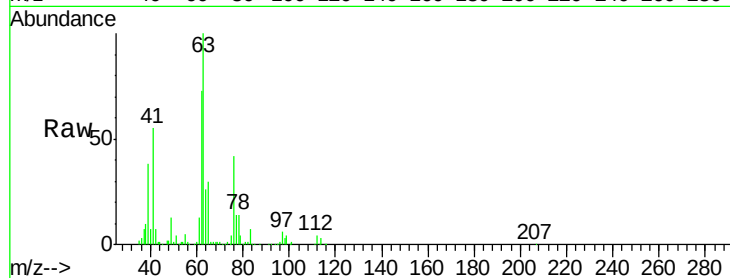
65 30.3 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 23.256 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

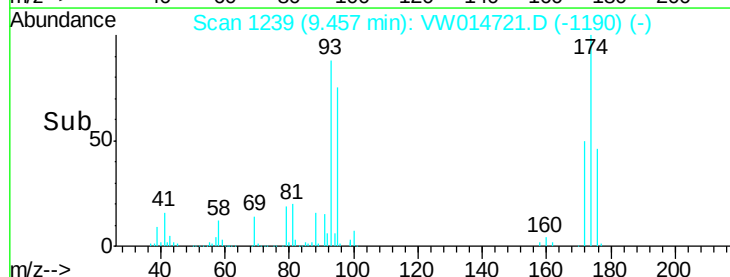
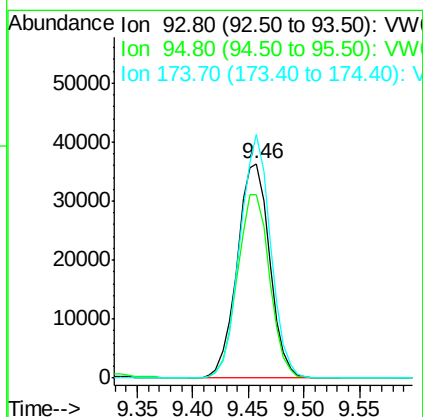
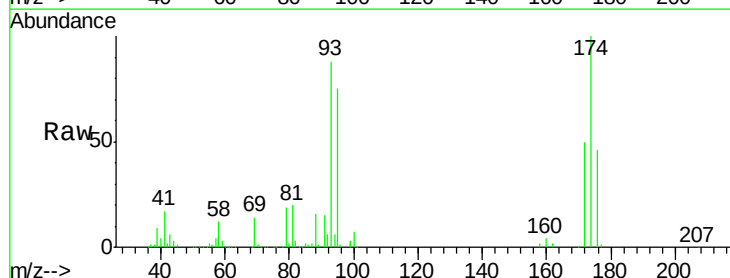
Tgt Ion: 93 Resp: 73653

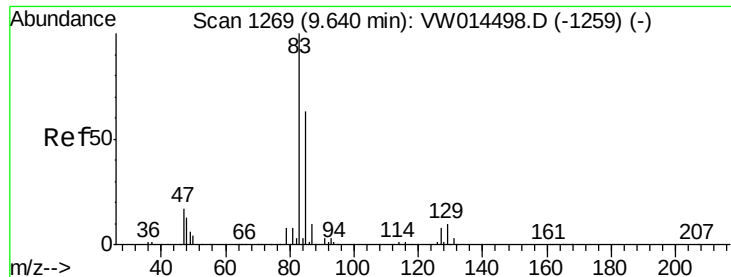
Ion Ratio Lower Upper

93 100

95 85.0 66.4 99.6

174 107.1 89.1 133.7





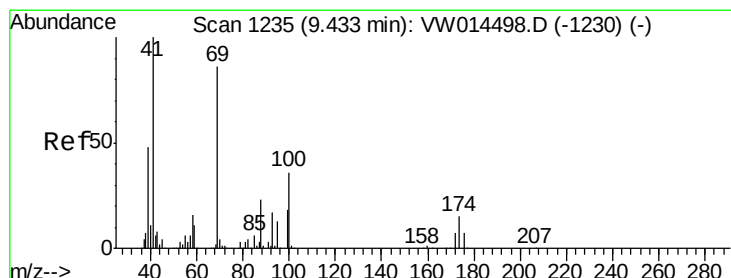
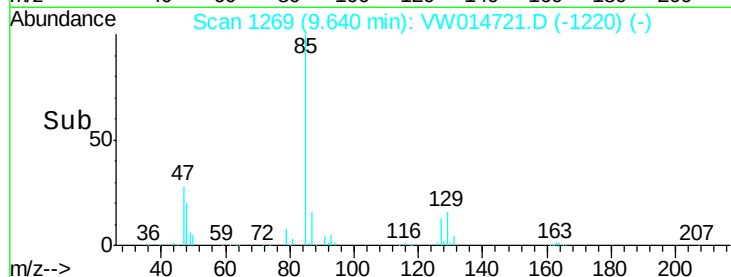
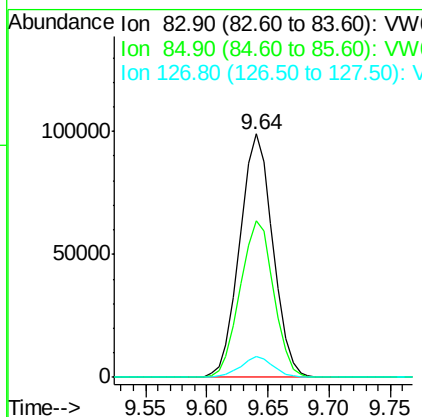
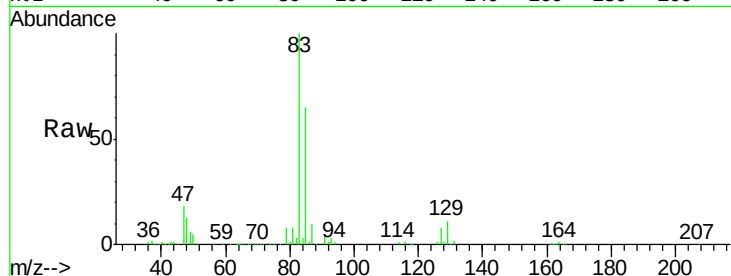
#47
Bromodichloromethane
Concen: 23.798 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	186075		
85	64.6		50.6	76.0
127	8.4		6.6	9.8

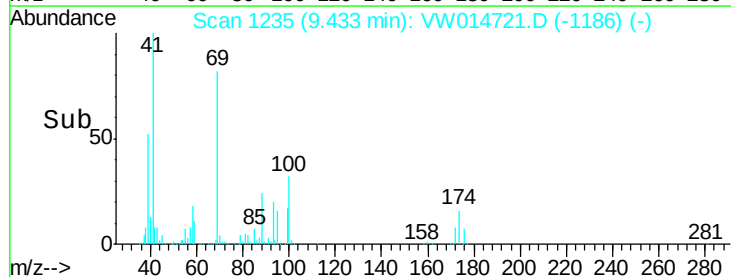
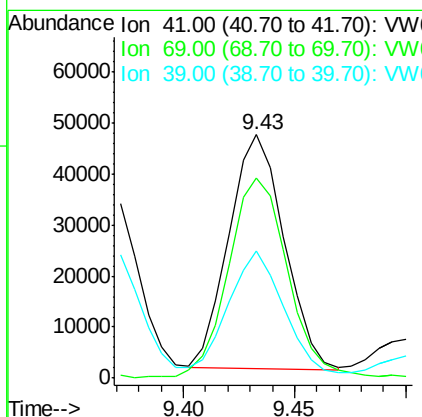
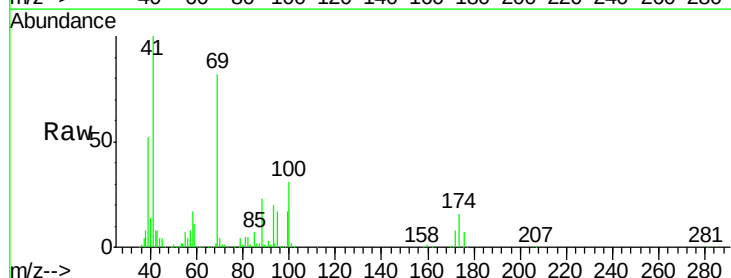
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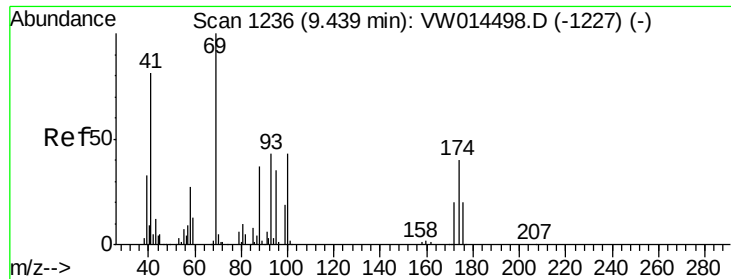
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#48
Methyl methacrylate
Concen: 21.305 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	79156		
69	92.3		68.3	102.5
39	51.2		36.8	55.2





#49

1,4-Dioxane

Concen: 467.223 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 88 Resp: 27676

Ion Ratio Lower Upper

88 100

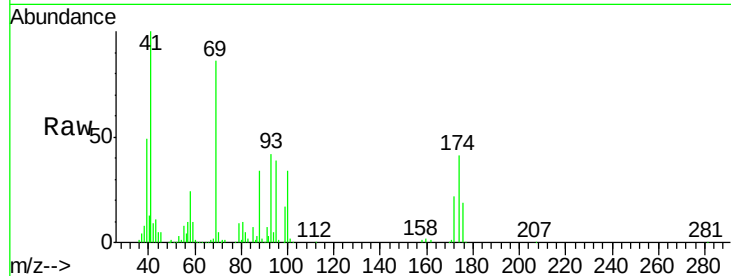
43 32.2 24.9 37.3

58 78.2 56.9 85.3

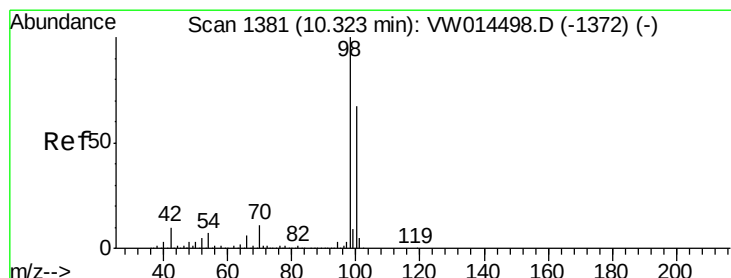
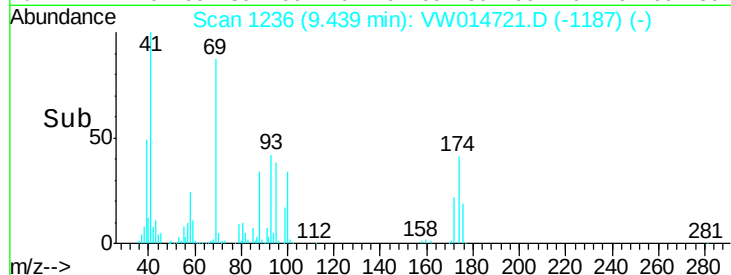
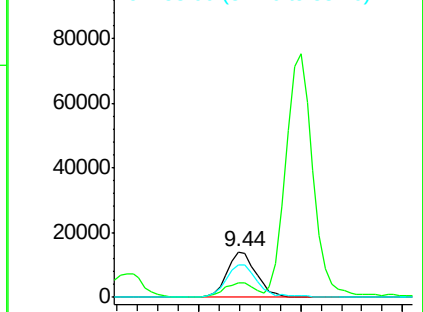
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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.876 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014721.D

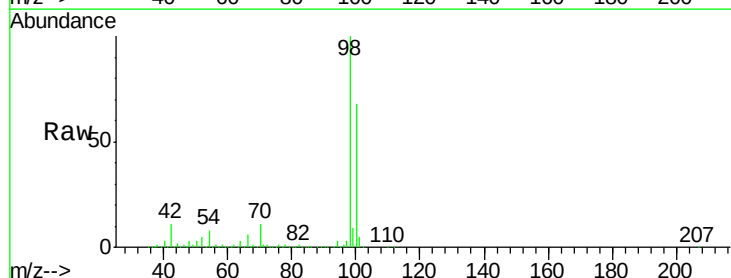
Acq: 23 Jan 2020 13:10

Tgt Ion: 98 Resp: 1231628

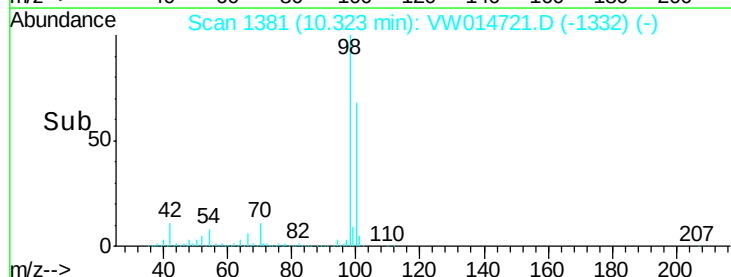
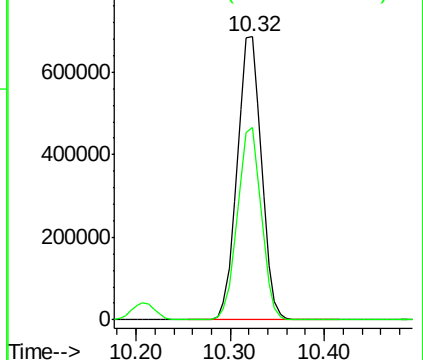
Ion Ratio Lower Upper

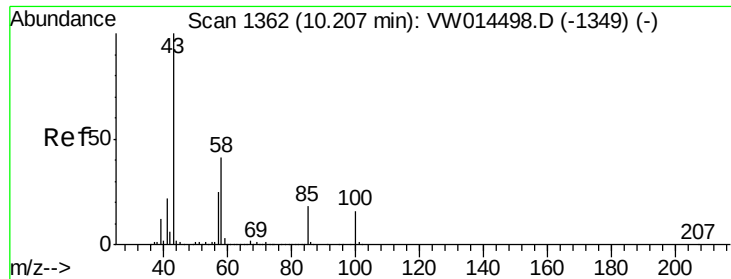
98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





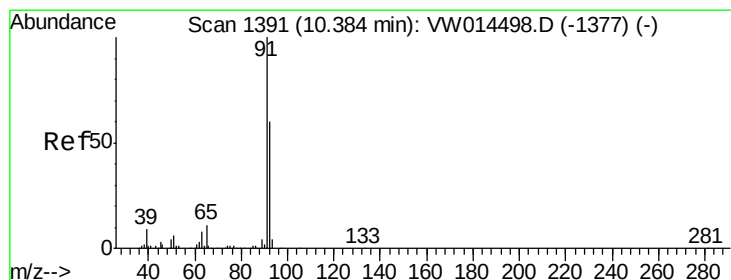
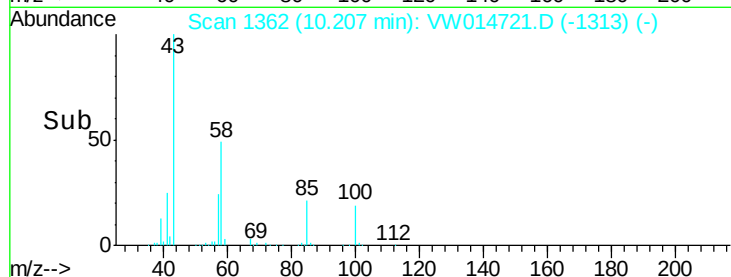
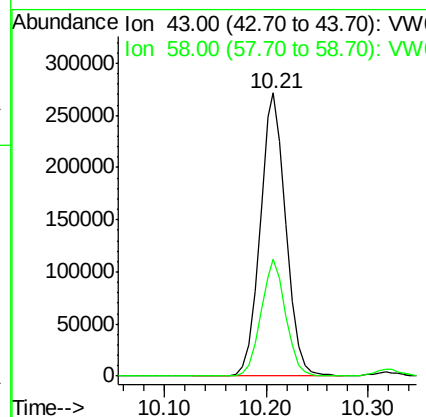
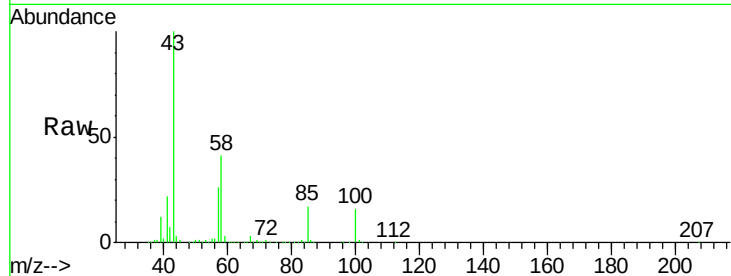
#51
4-Methyl-2-Pentanone
Concen: 120.134 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	43	Resp	474746
Ion Ratio	100	Lower	Upper
58	39.9	32.7	49.1

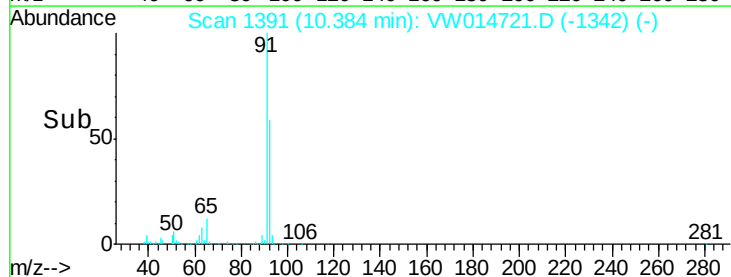
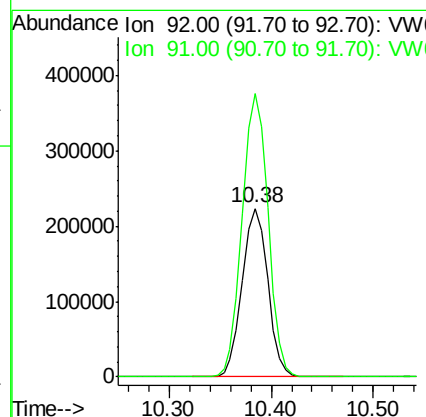
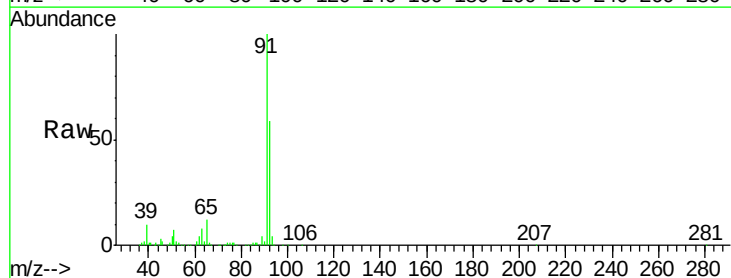
Manual Integrations
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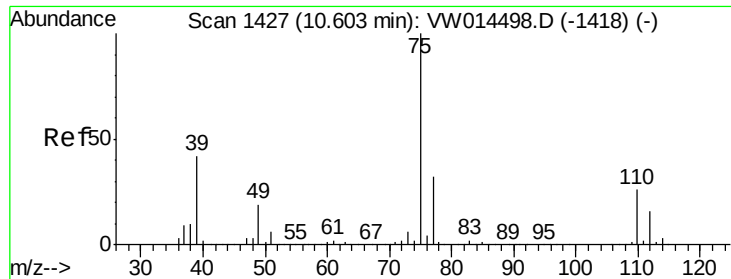
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#52
Toluene
Concen: 23.700 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	92	Resp	389802
Ion Ratio	100	Lower	Upper
91	170.1	134.1	201.1





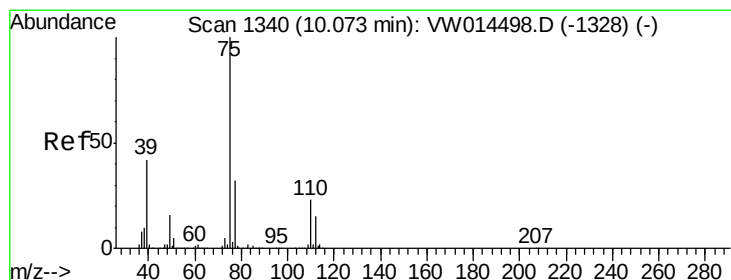
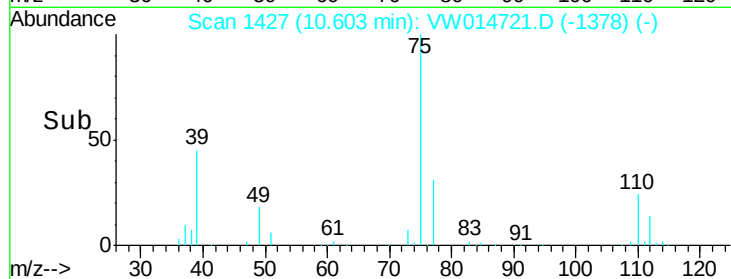
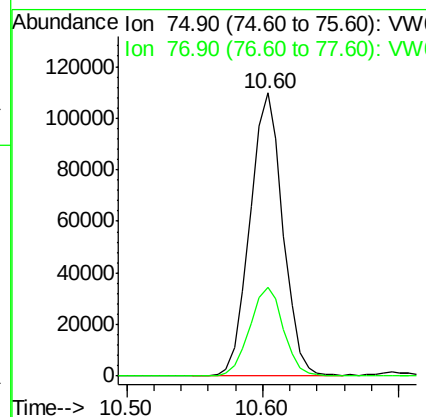
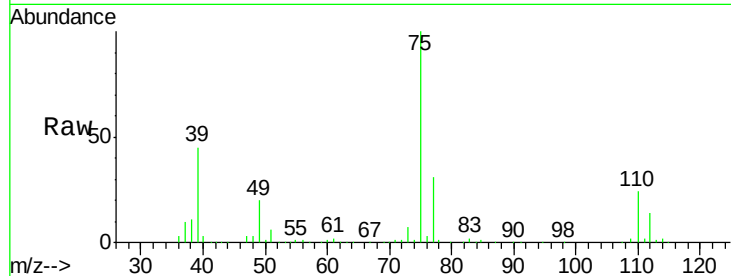
#53
 t-1,3-Dichloropropene
 Concen: 22.961 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion: 75 Resp: 185886
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2

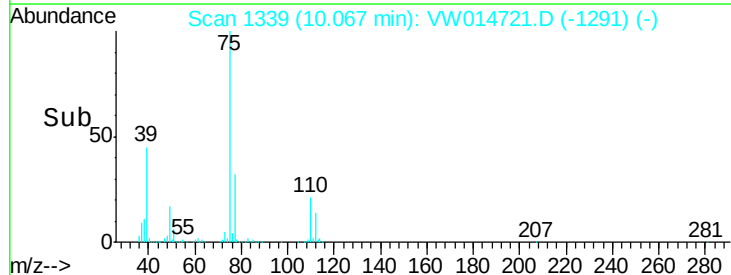
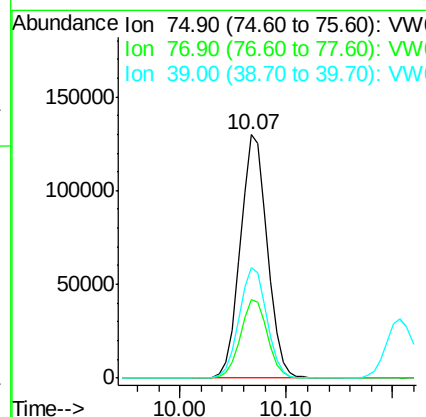
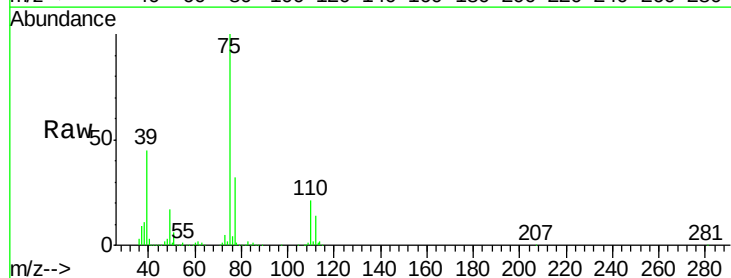
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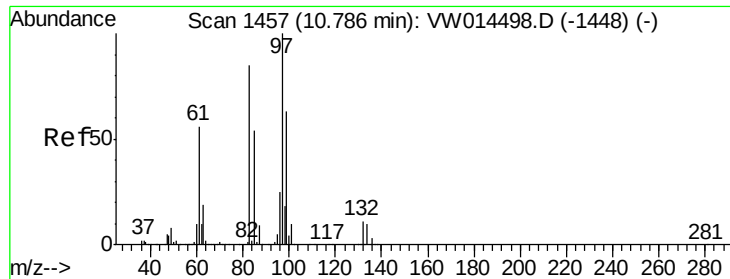
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#54
 cis-1,3-Dichloropropene
 Concen: 23.346 ug/l
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion: 75 Resp: 230997
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0
 39 45.4 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 22.844 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

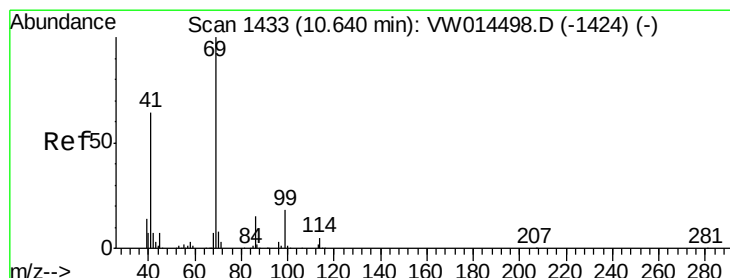
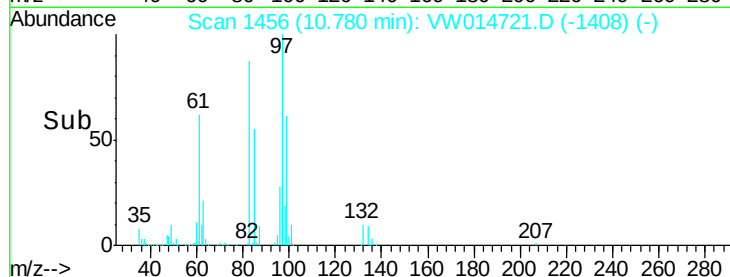
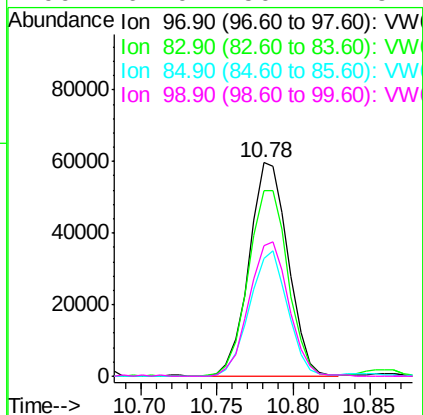
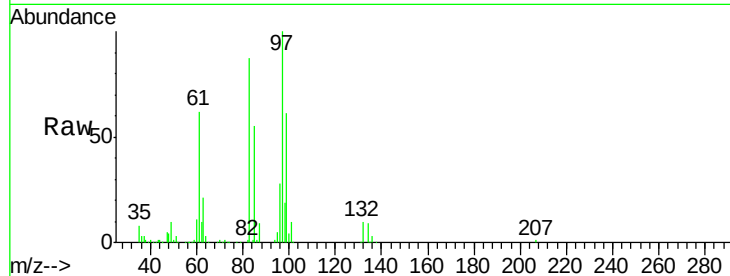
ClientSampleId :

VW0123SBS01

Tot Ion:	97	Resp:	105662
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.2	102.4
85	55.4	43.0	64.4
99	61.0	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.741 ug/l

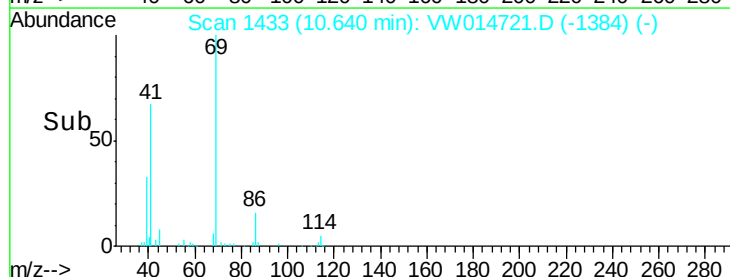
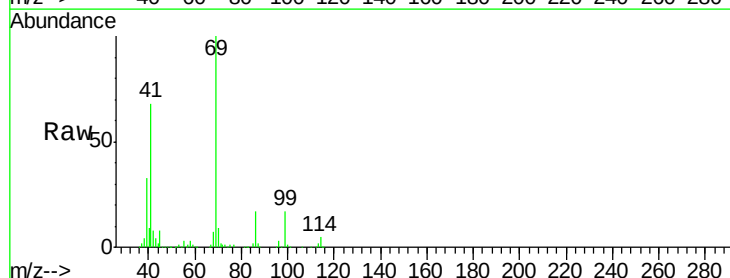
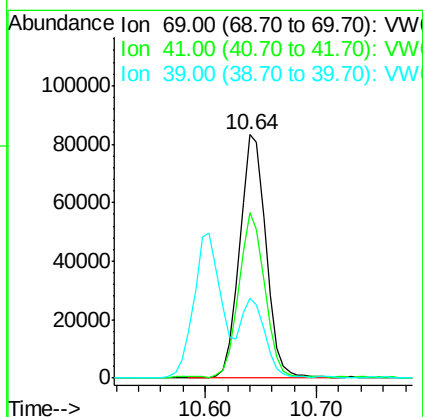
RT: 10.64 min Scan# 1433

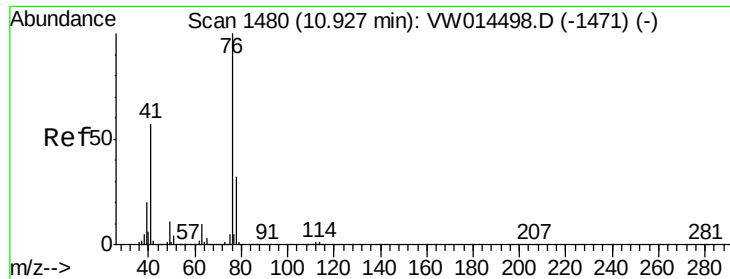
Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	69	Resp:	136698
Ion	Ratio	Lower	Upper
69	100		
41	66.9	51.3	76.9
39	28.0	21.0	31.6





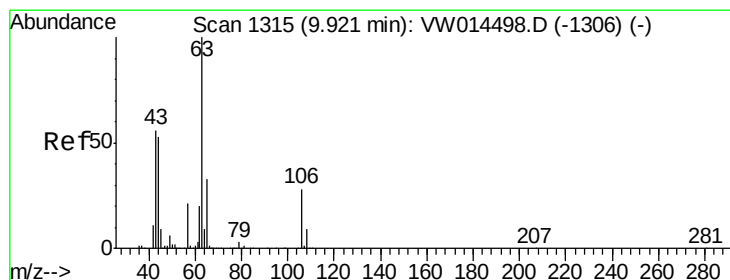
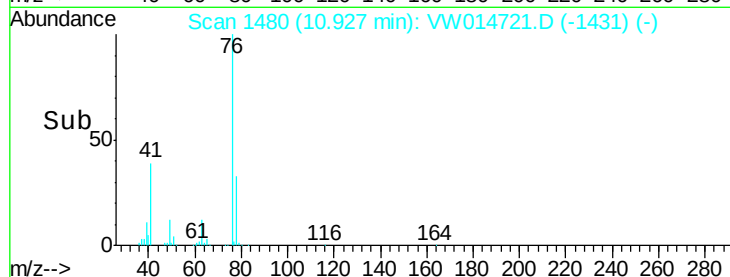
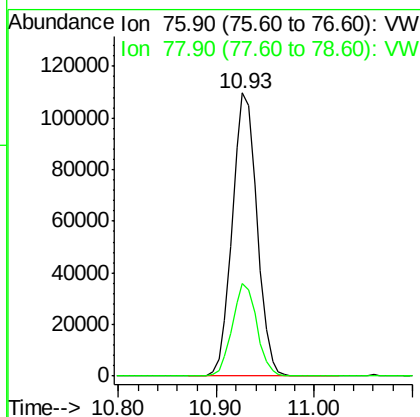
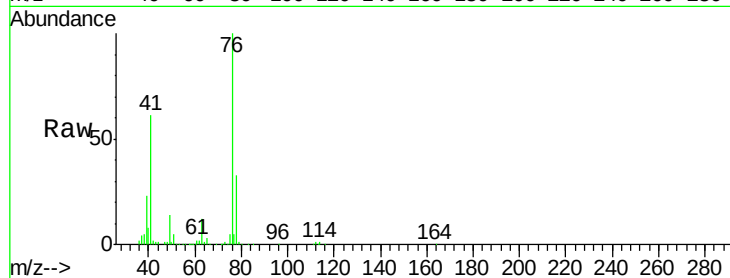
#57
 1,3-Dichloropropane
 Concen: 23.680 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

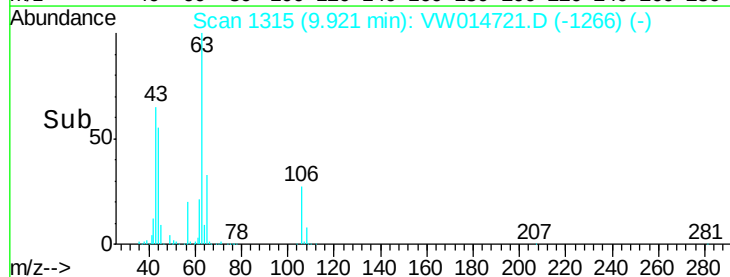
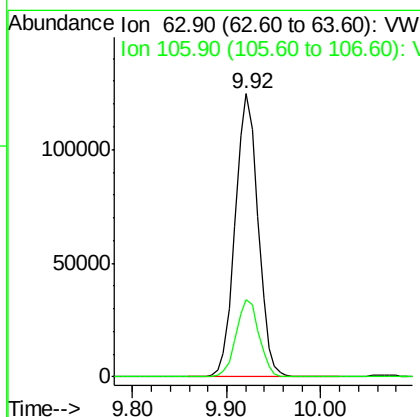
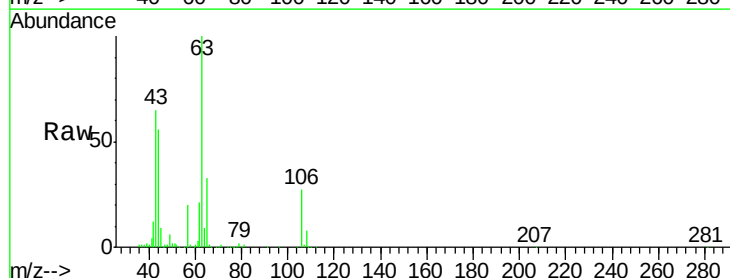
Manual Integrations
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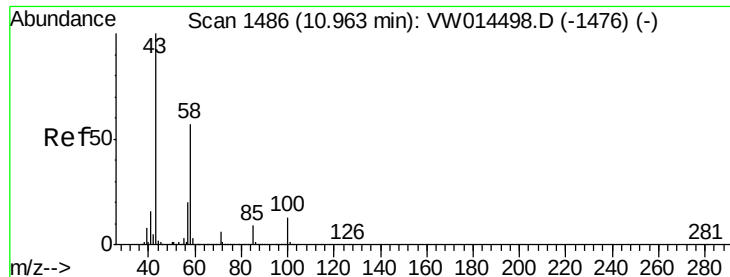
MMDadoda
 1/24/2020 4:02:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.280 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.0	34.6





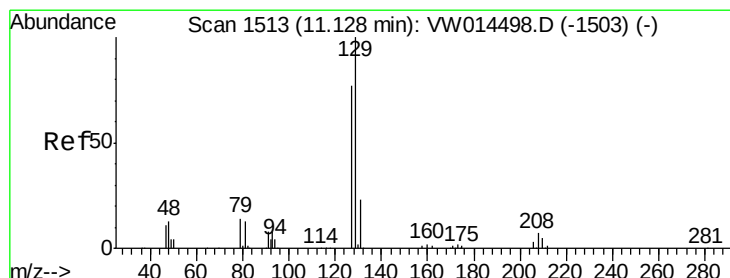
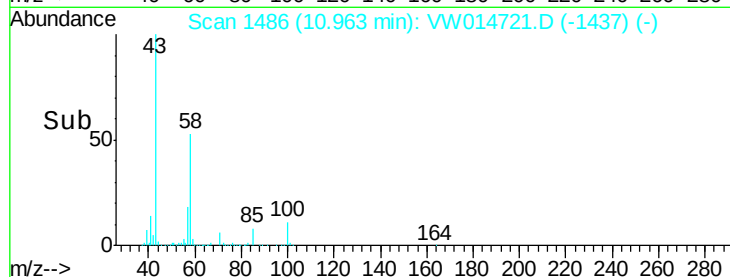
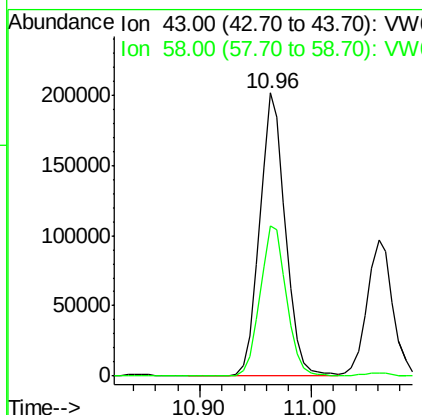
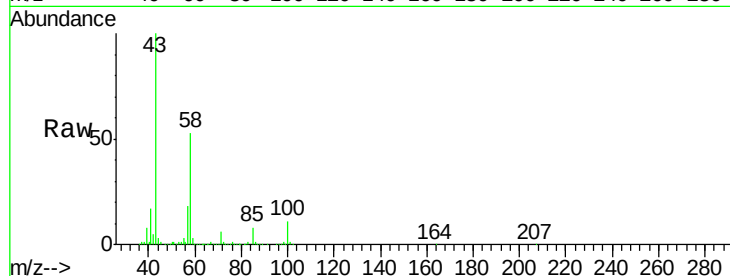
#59
2-Hexanone
Concen: 118.952 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion: 43 Resp: 323923
Ion Ratio Lower Upper
43 100
58 54.6 28.7 86.3

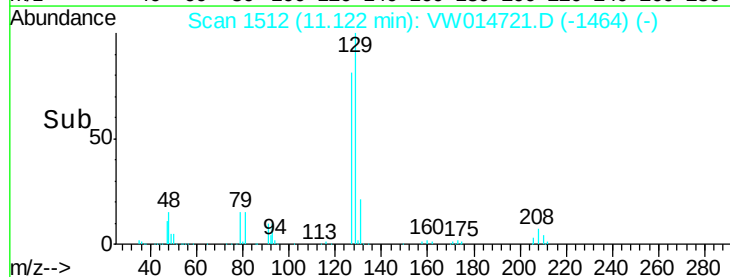
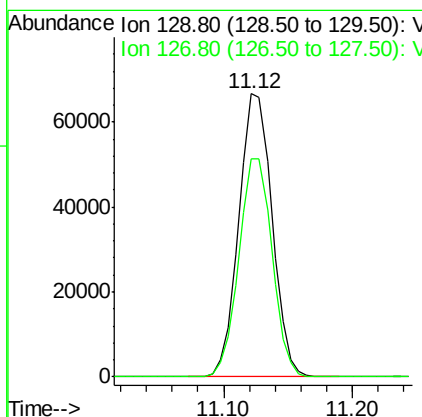
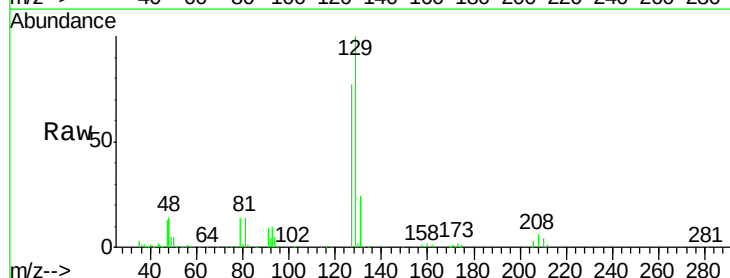
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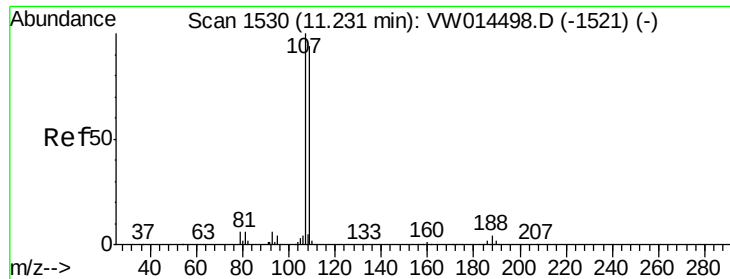
MMDadoda
1/24/2020 4:02:33 PM



#60
Dibromochloromethane
Concen: 22.861 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 129 Resp: 119308
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





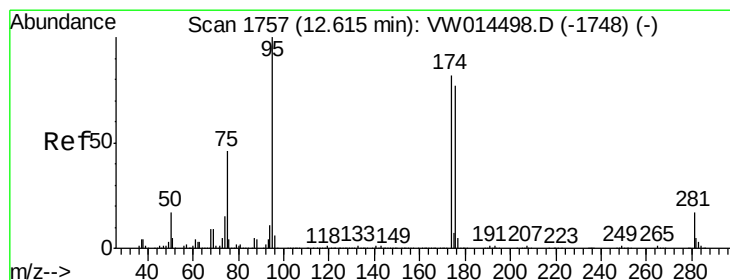
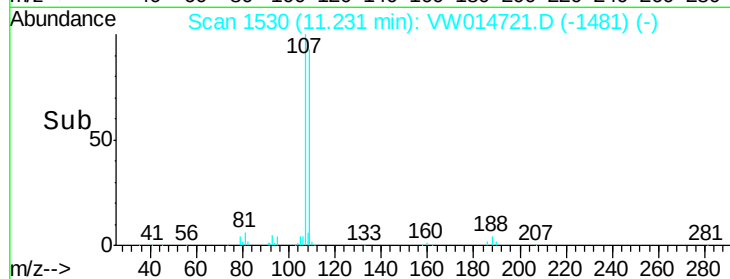
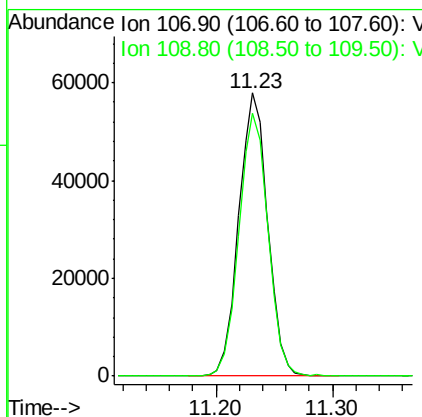
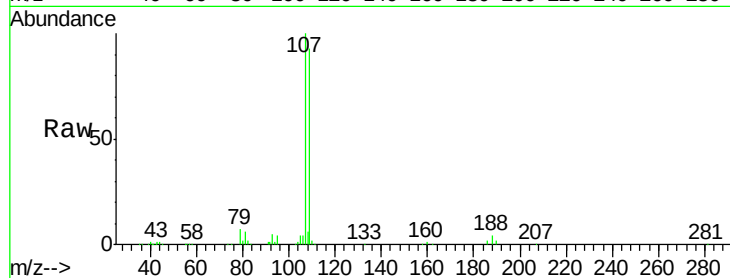
#61
 1,2-Dibromoethane
 Concen: 22.833 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.1	112.7

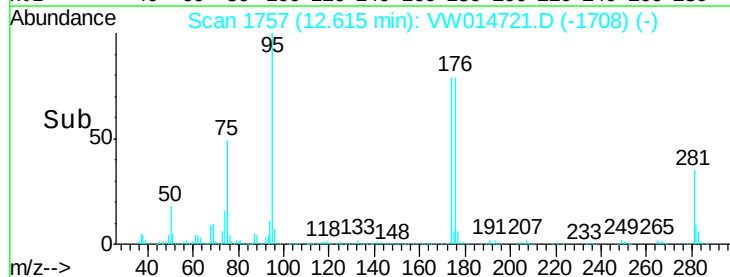
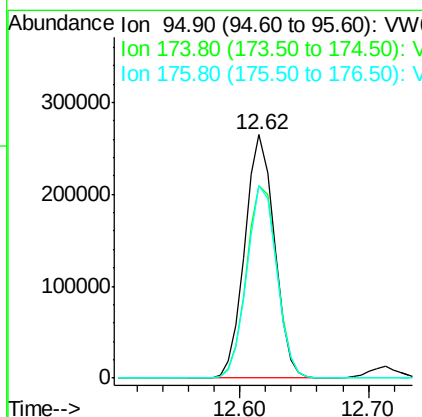
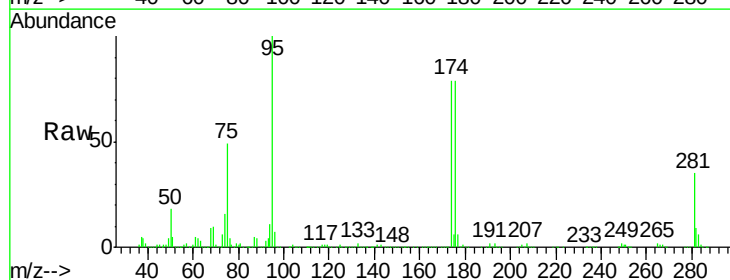
Manual Integrations
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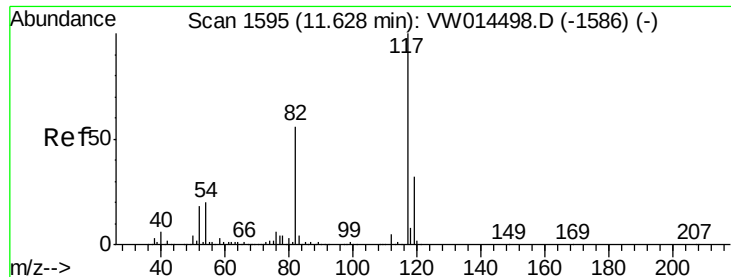
MMDadoda
 1/24/2020 4:02:33 PM



#62
 4-Bromofluorobenzene
 Concen: 54.117 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	168.6
176	79.7	0.0	162.0





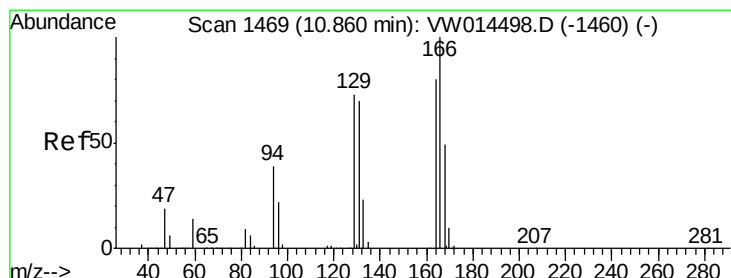
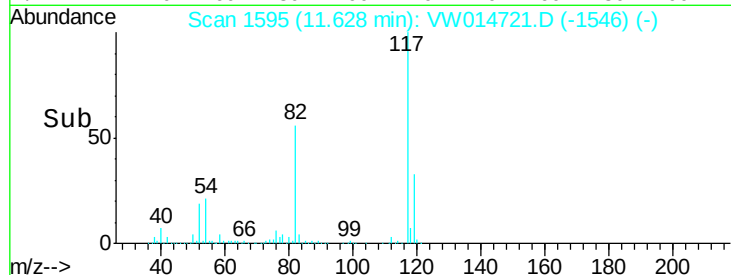
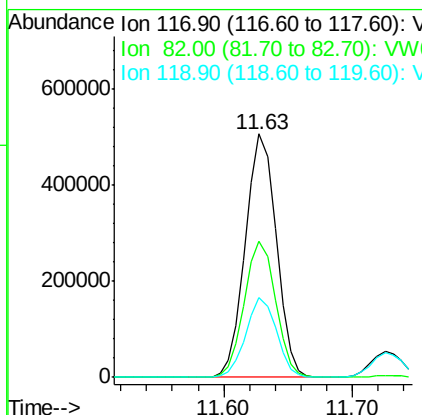
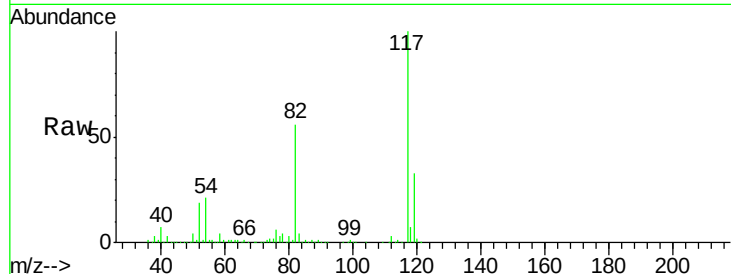
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	842169		
82	56.1		44.6	67.0
119	32.7		25.7	38.5

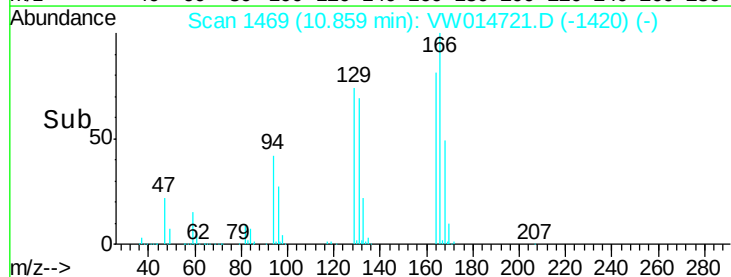
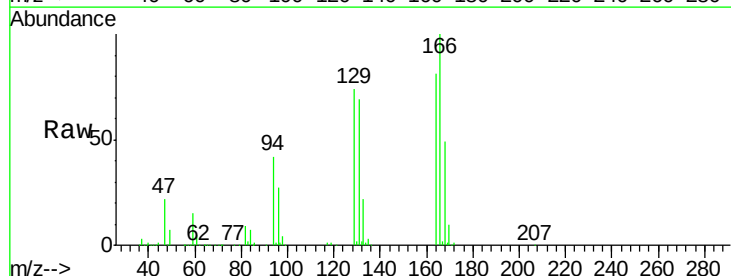
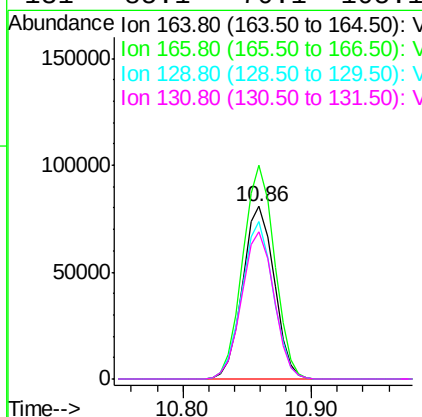
Manual Integrations
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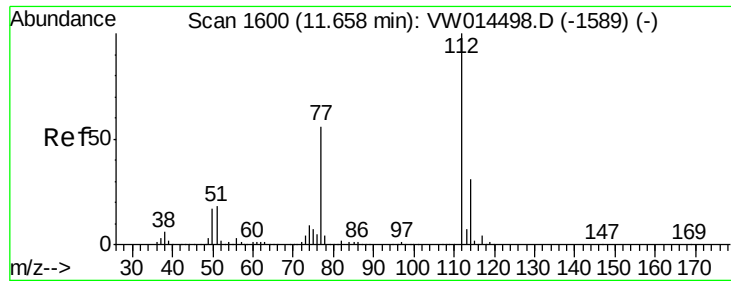
MMDadoda
1/24/2020 4:02:33 PM



#64
Tetrachloroethene
Concen: 22.472 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137014		
166	123.7		99.8	149.6
129	91.4		72.4	108.6
131	85.1		70.1	105.1





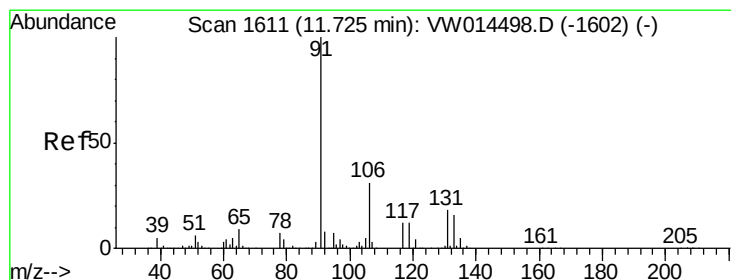
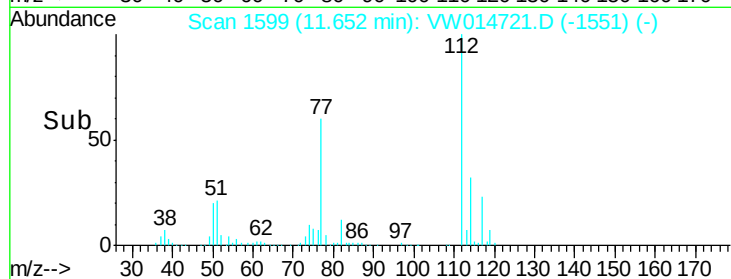
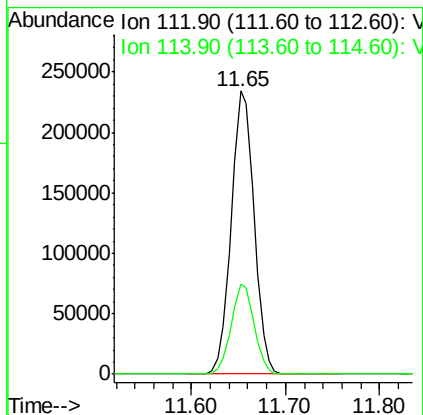
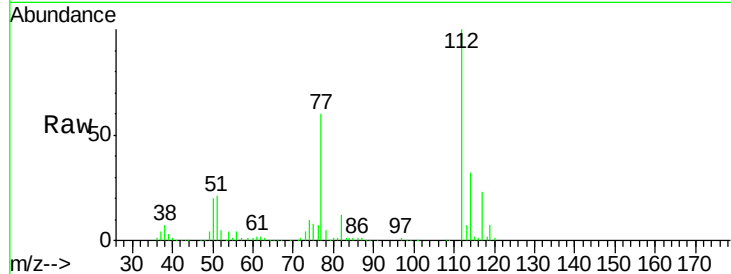
#65
Chlorobenzene
Concen: 22.852 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion:112 Resp: 394283
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0

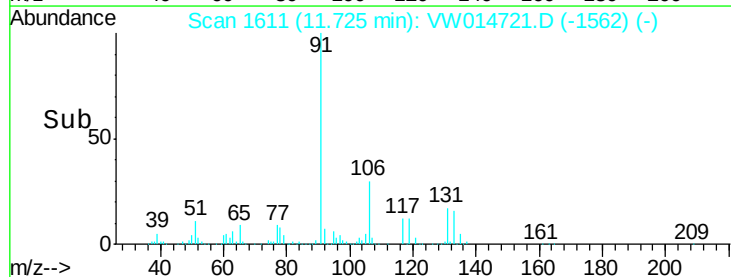
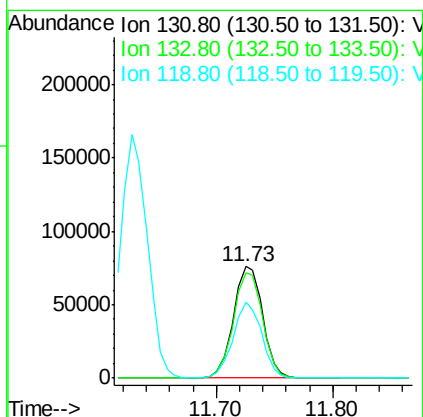
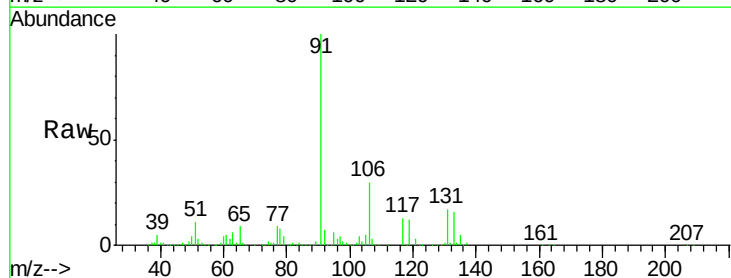
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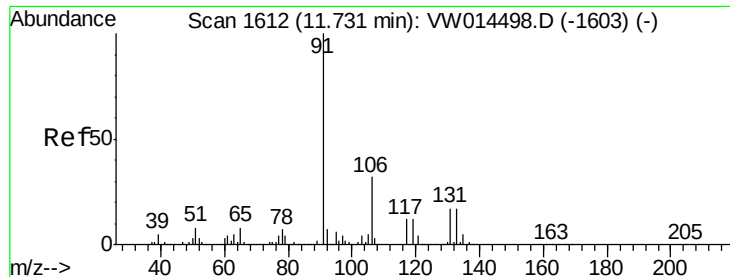
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.939 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion:131 Resp: 133256
Ion Ratio Lower Upper
131 100
133 94.3 47.3 142.0
119 66.1 33.1 99.3





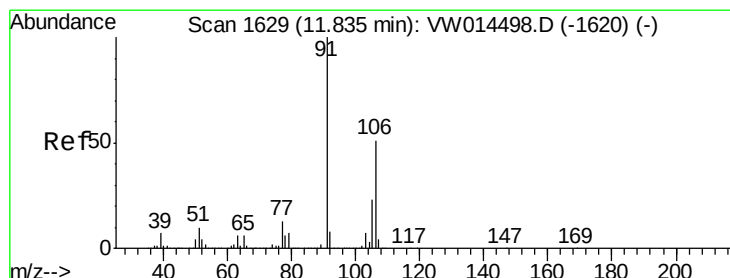
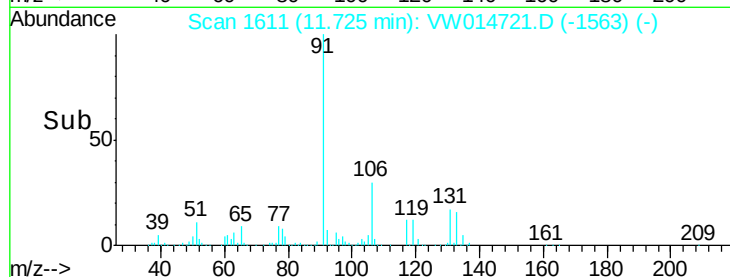
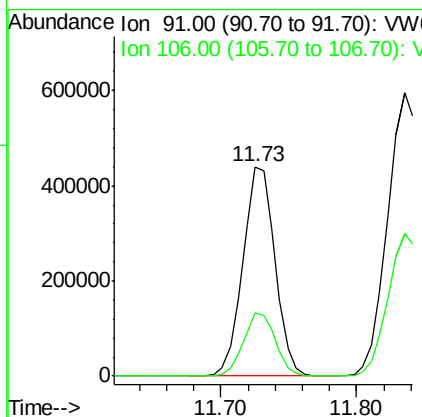
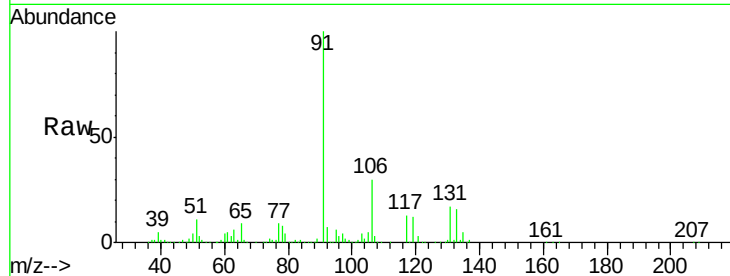
#67
Ethyl Benzene
Concen: 23.337 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.5	38.3

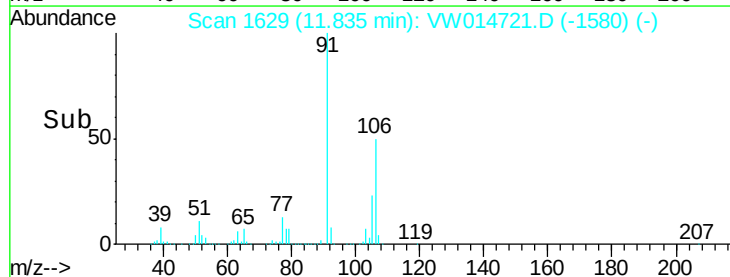
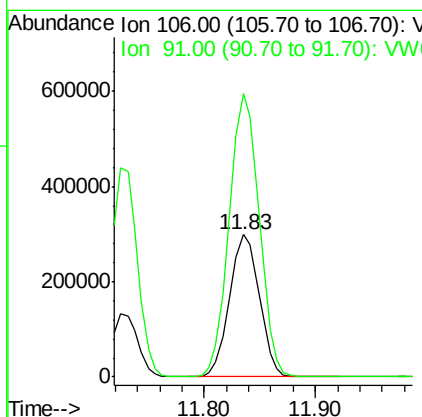
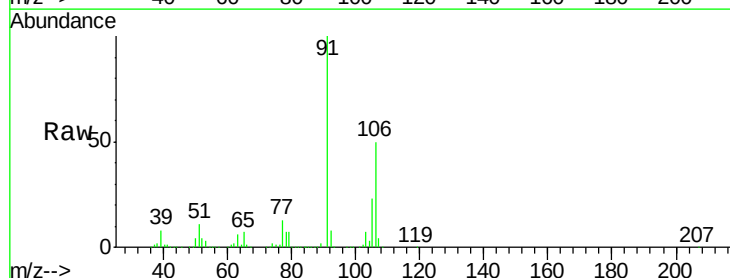
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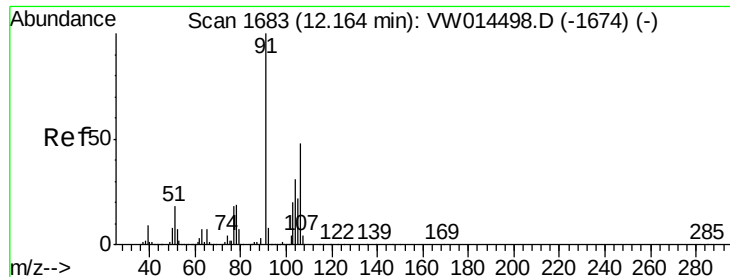
MMDadoda
1/24/2020 4:02:33 PM



#68
m/p-Xylenes
Concen: 46.608 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	159.0	238.6





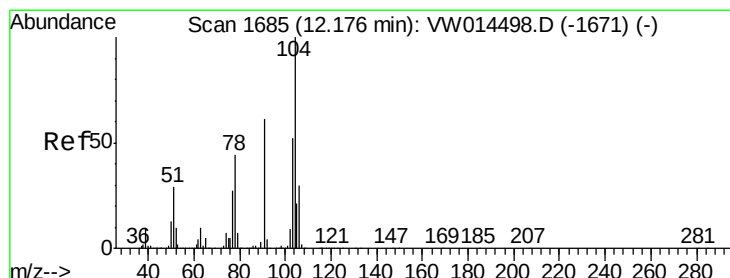
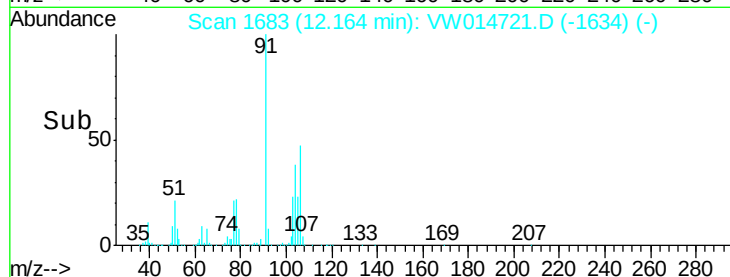
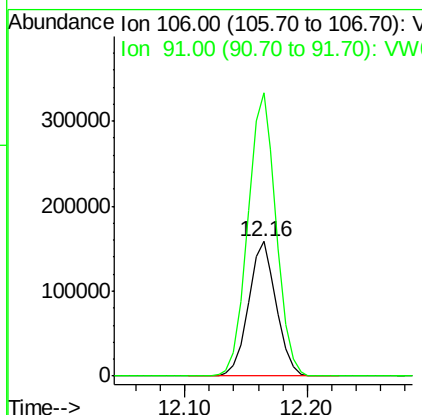
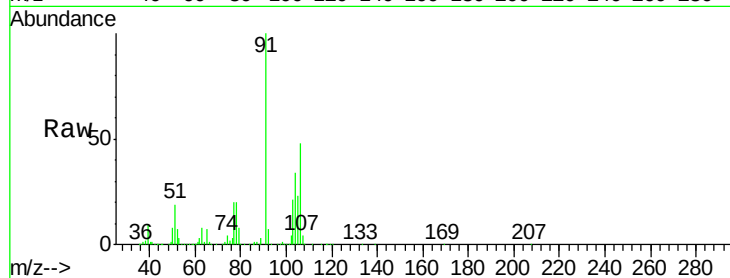
#69
o-Xylene
Concen: 22.666 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.0	105.2	315.6

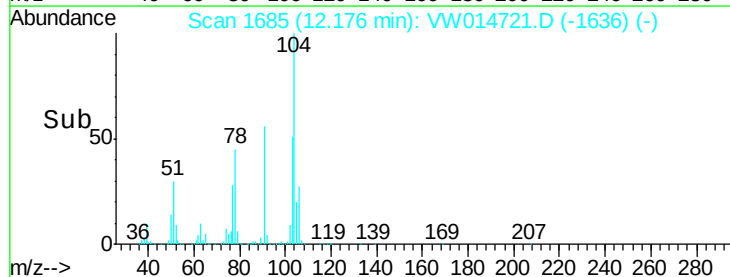
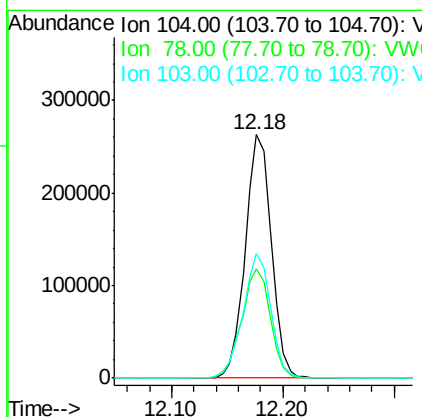
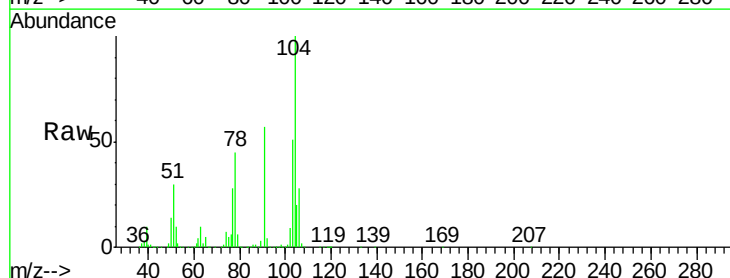
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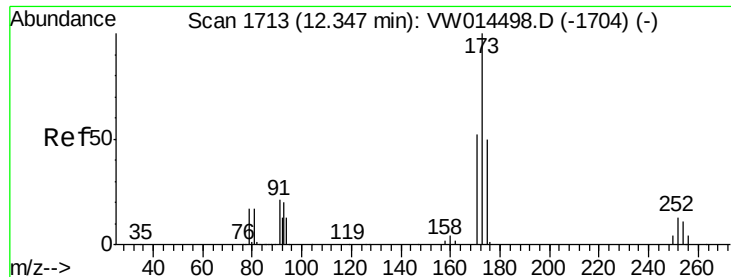
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#70
Styrene
Concen: 23.091 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.4	57.6
103	54.1	43.7	65.5





#71

Bromoform

Concen: 21.656 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion:173 Resp: 68620

Ion Ratio Lower Upper

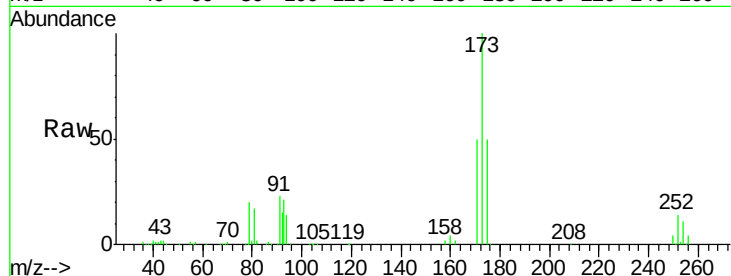
173 100

175 47.7 24.5 73.5

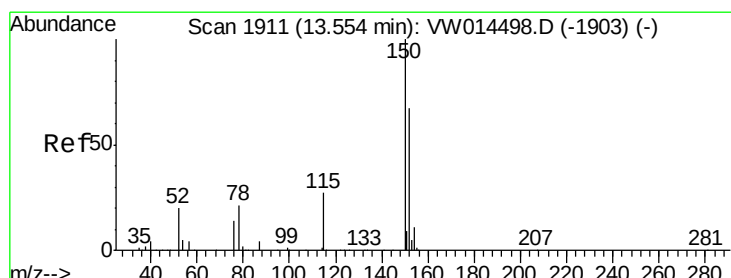
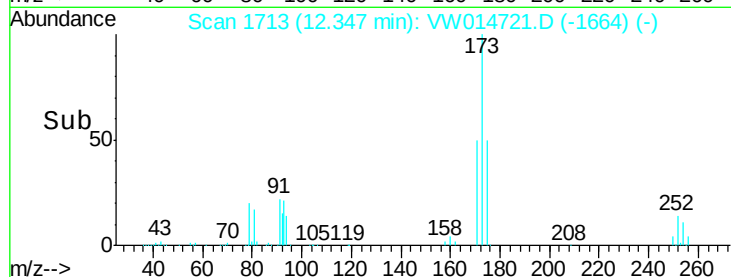
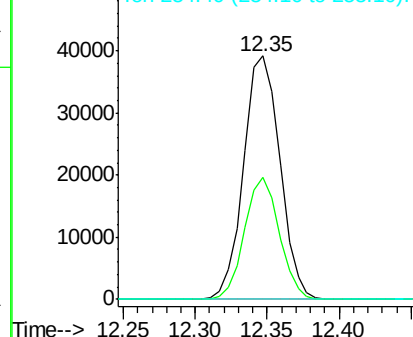
254 0.2 0.0 0.0#

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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: VW014721.D

Acq: 23 Jan 2020 13:10

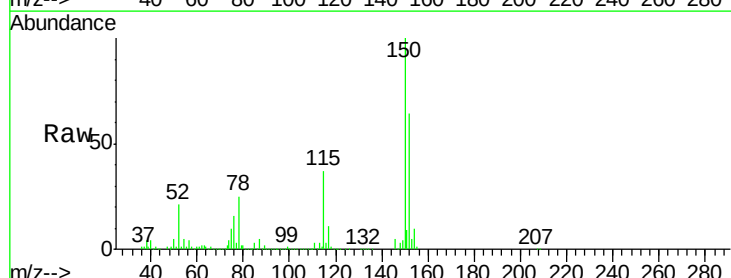
Tgt Ion:152 Resp: 412279

Ion Ratio Lower Upper

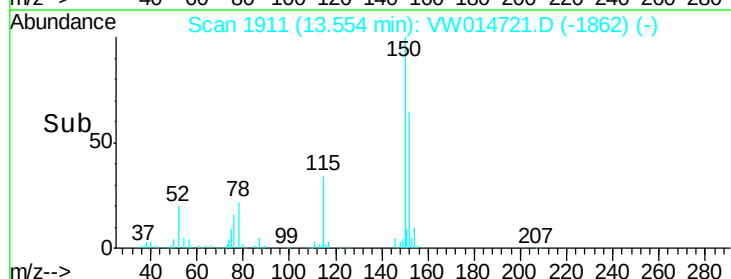
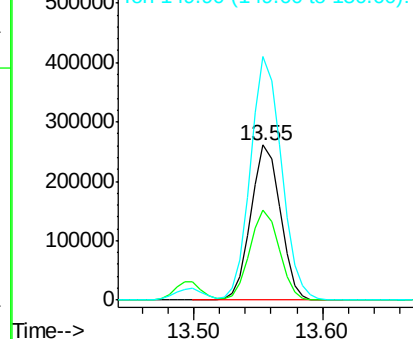
152 100

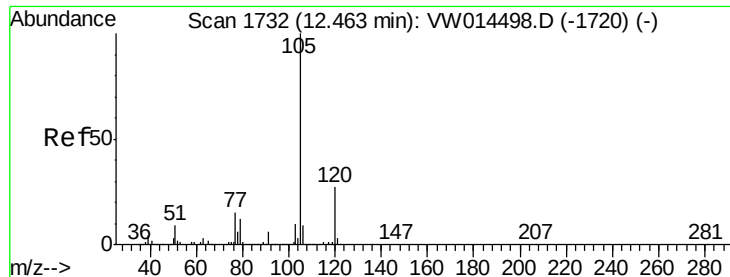
115 57.7 27.7 83.1

150 165.3 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





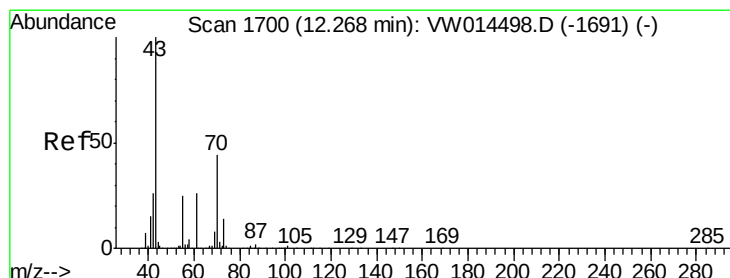
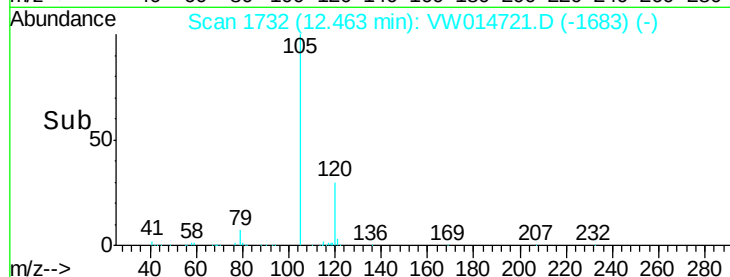
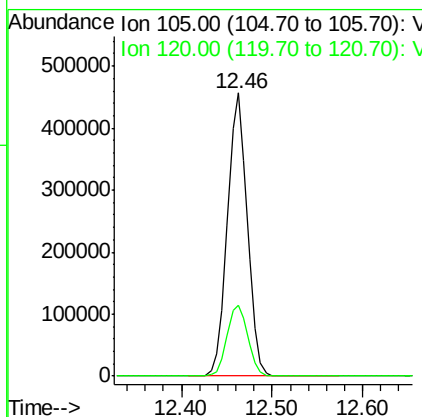
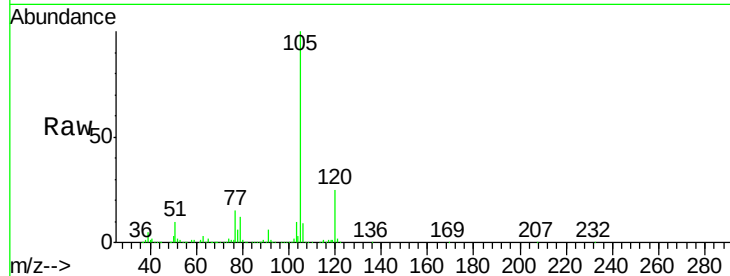
#73
Isopropylbenzene
Concen: 22.865 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.1

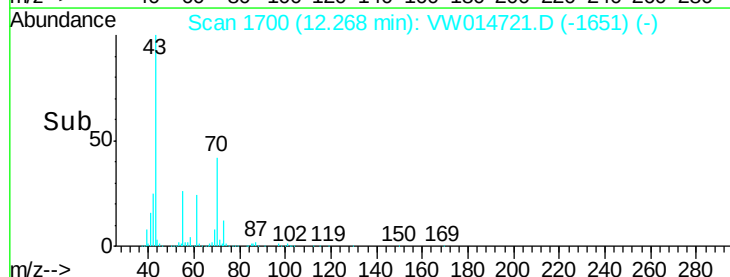
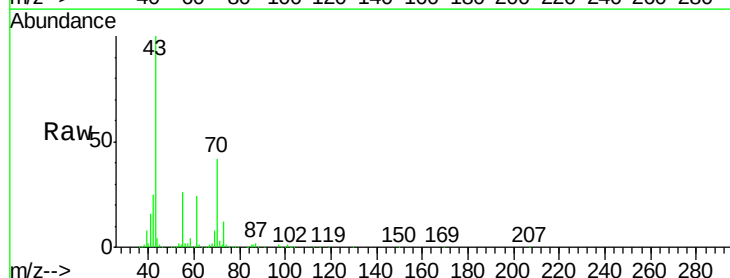
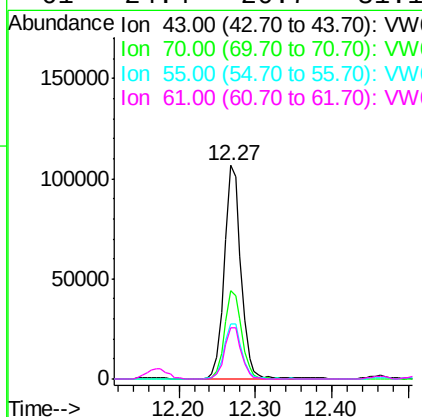
Manual Integrations
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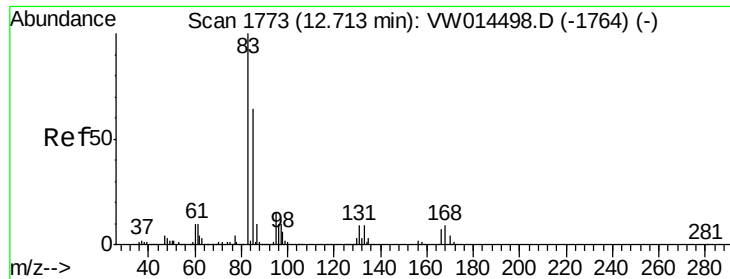
MMDadoda
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#74
N-ethyl acetate
Concen: 23.564 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	36.5	54.7
55	27.5	20.9	31.3
61	24.4	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.100 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

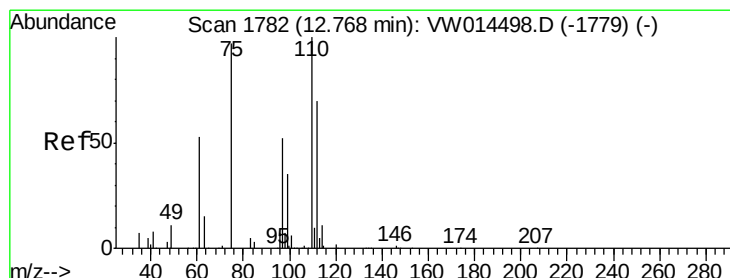
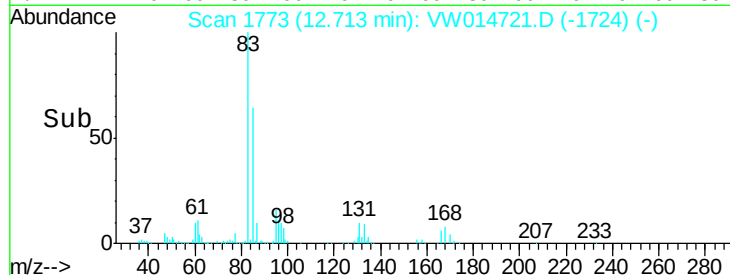
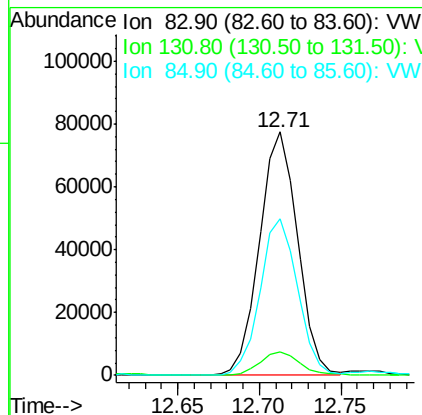
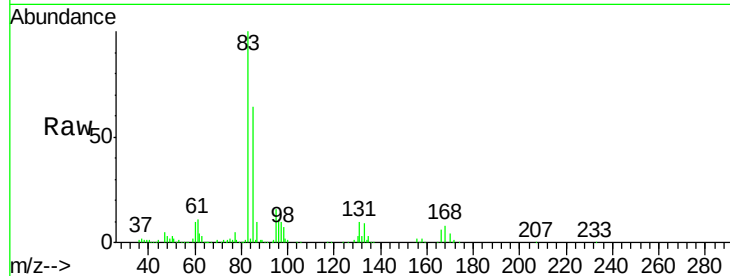
ClientSampleId :

VW0123SBSD01

Tot Ion:	83	Resp:	126131
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	63.5	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.667 ug/l m

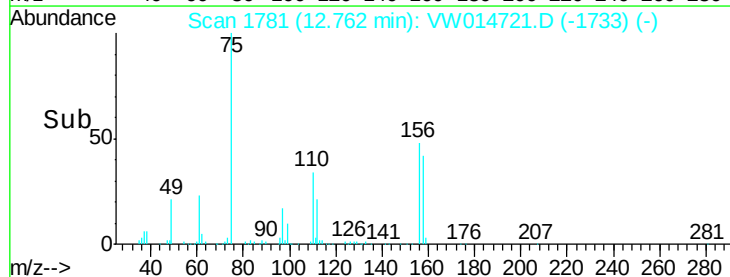
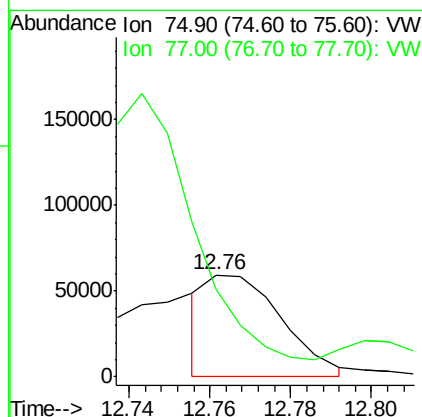
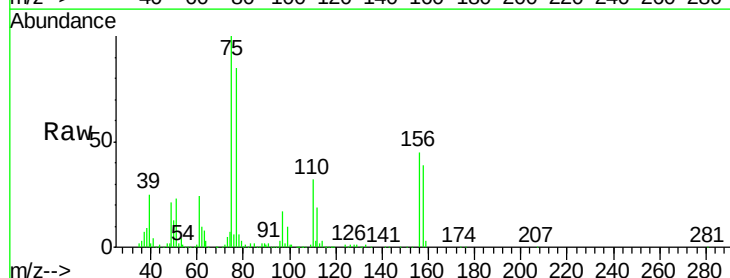
RT: 12.76 min Scan# 1781

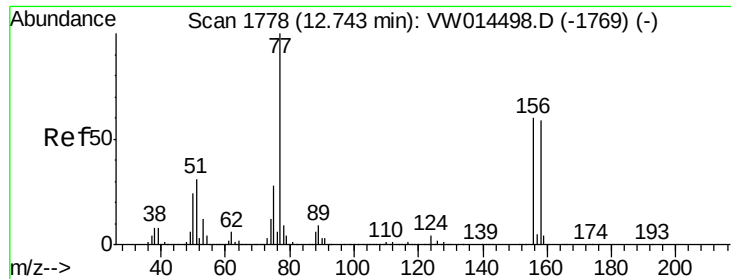
Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	75	Resp:	76663
Ion Ratio	Lower	Upper	
75	100		
77	397.7	0.0	0.0#





#77

Bromobenzene

Concen: 22.454 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

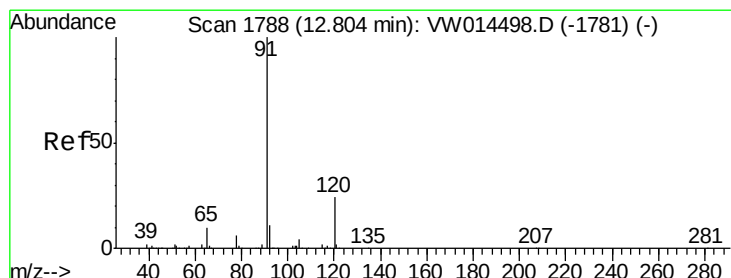
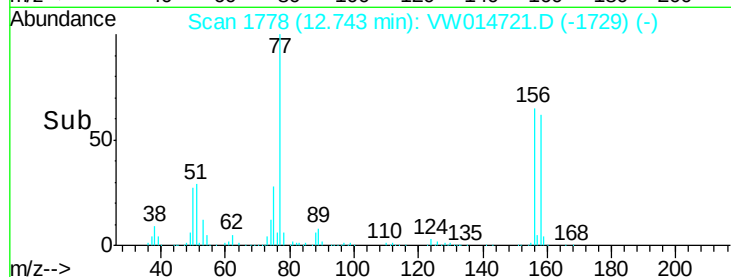
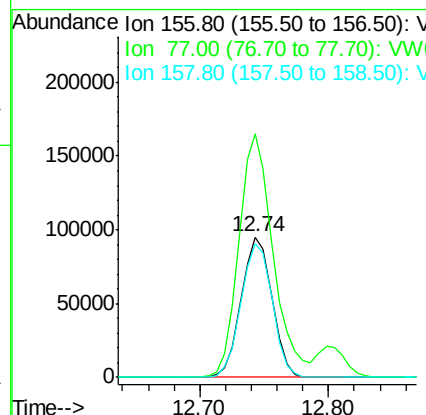
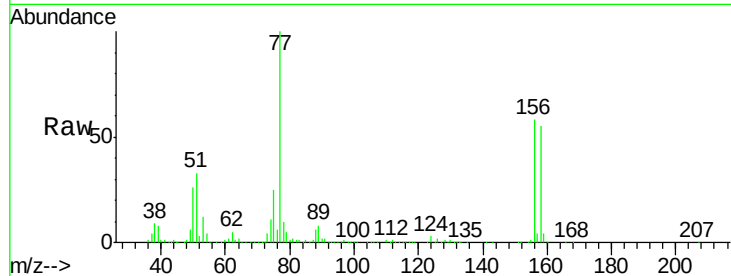
ClientSampleId :

VW0123SBS01

Tot Ion:	156	Resp:	157760
Ion Ratio	Lower	Upper	
156	100		
77	193.3	92.3	277.1
158	96.5	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 23.651 ug/l

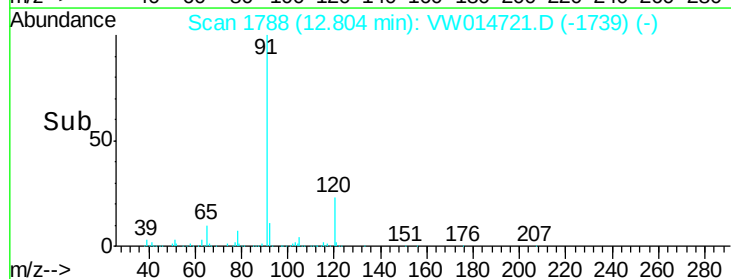
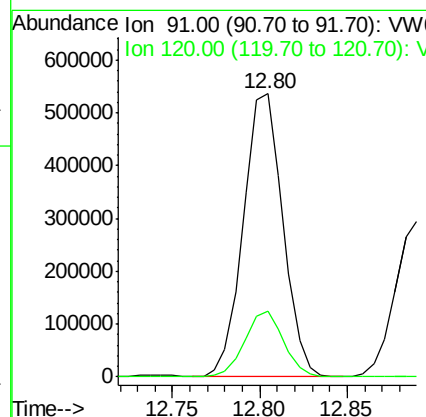
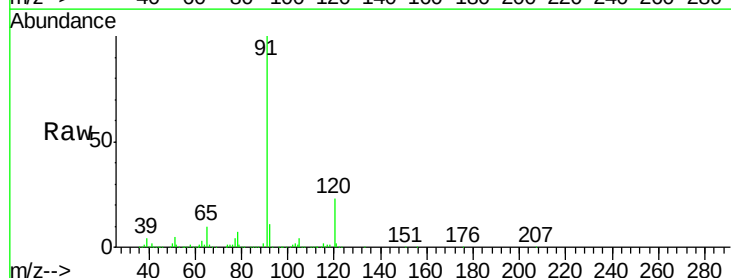
RT: 12.80 min Scan# 1788

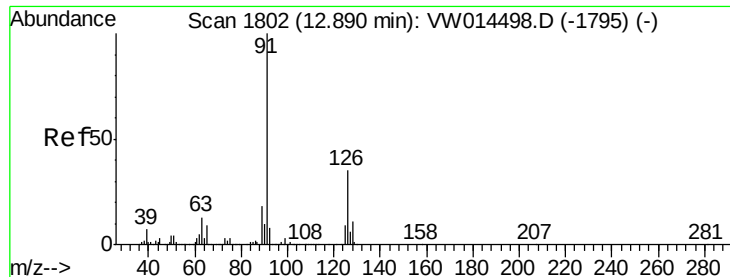
Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	91	Resp:	841320
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 23.376 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBSD01

Tot Ion: 91 Resp: 473202

Ion Ratio Lower Upper

91 100

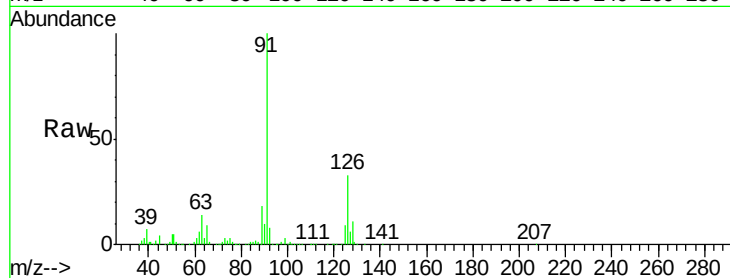
126 33.0 17.1 51.2

Manual Integrations

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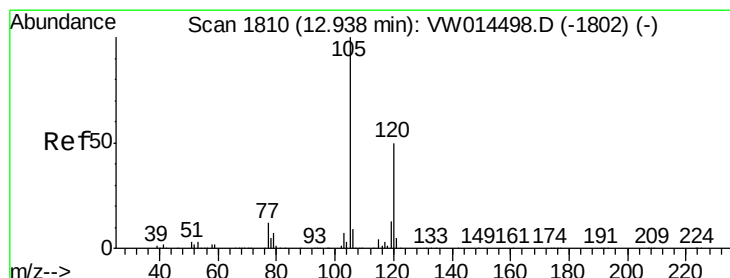
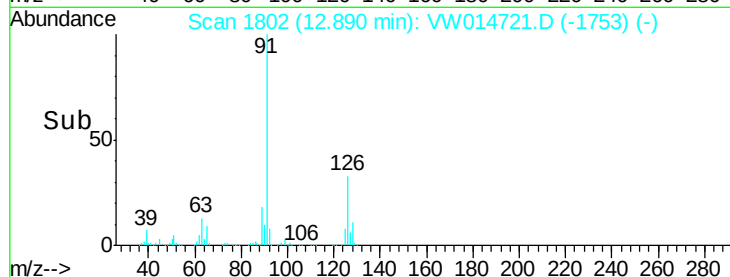
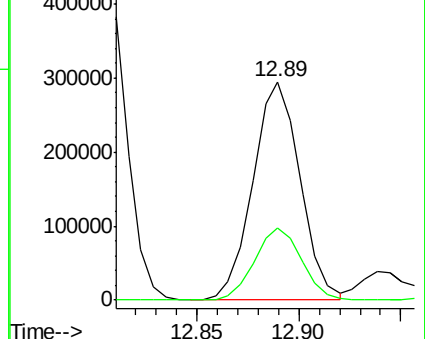
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.378 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014721.D

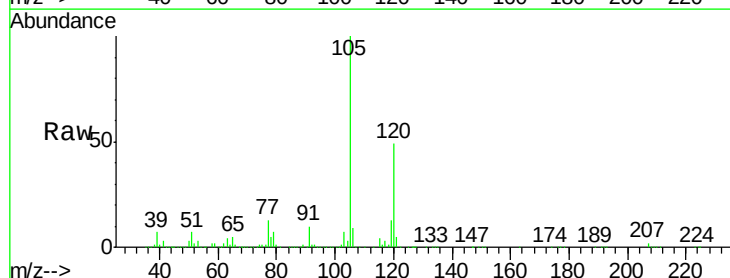
Acq: 23 Jan 2020 13:10

Tgt Ion:105 Resp: 593800

Ion Ratio Lower Upper

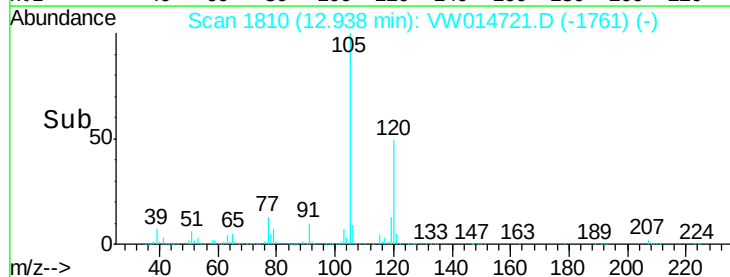
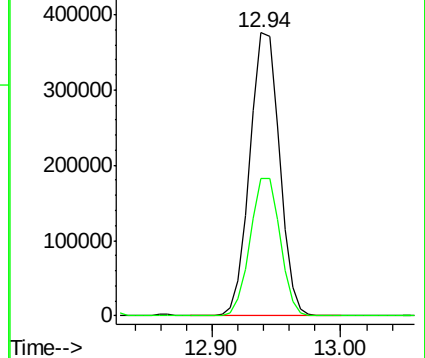
105 100

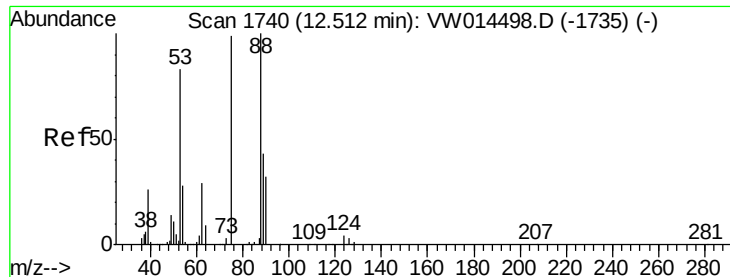
120 49.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.706 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

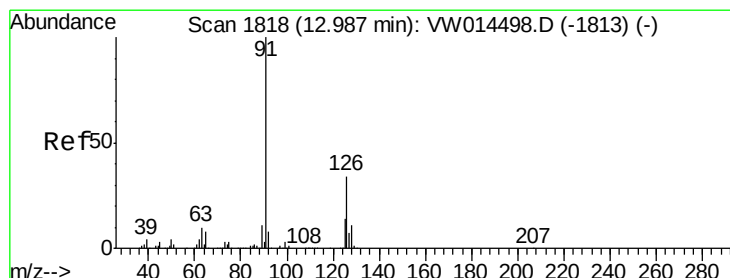
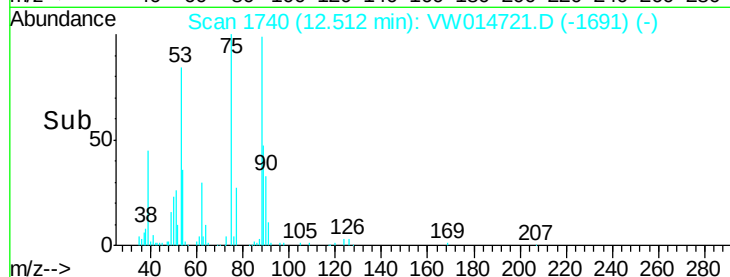
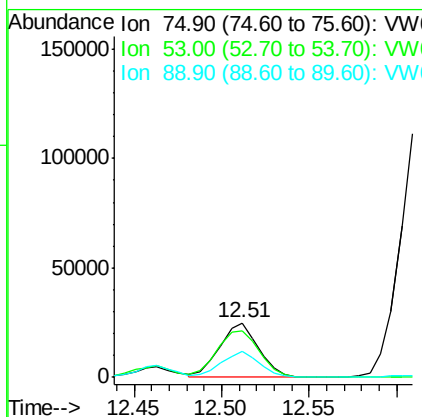
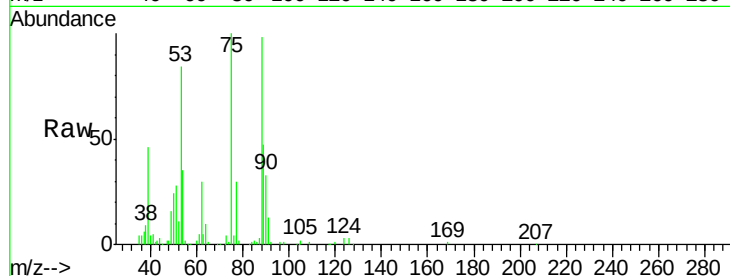
ClientSampleId :

VW0123SBSD01

Tot Ion:	75	Resp:	37975
Ion	Ratio	Lower	Upper
75	100		
53	94.5	70.9	106.3
89	48.0	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.457 ug/l

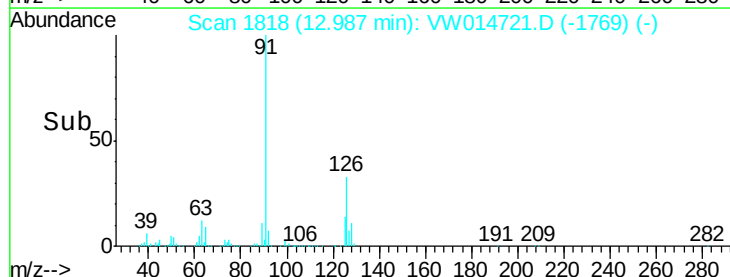
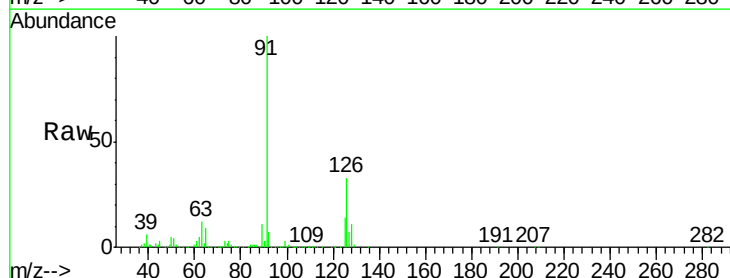
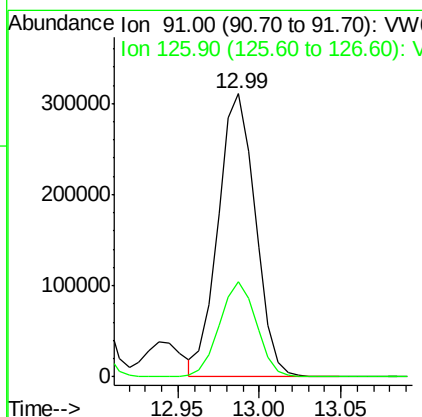
RT: 12.99 min Scan# 1818

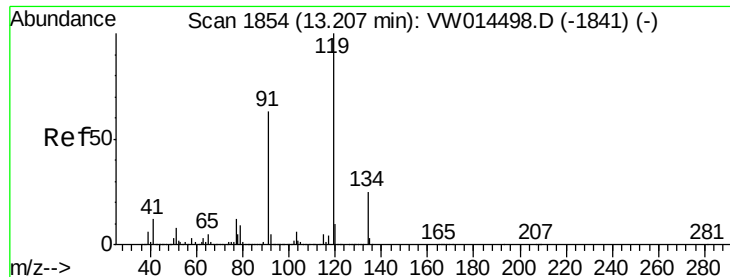
Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion:	91	Resp:	493330
Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.2





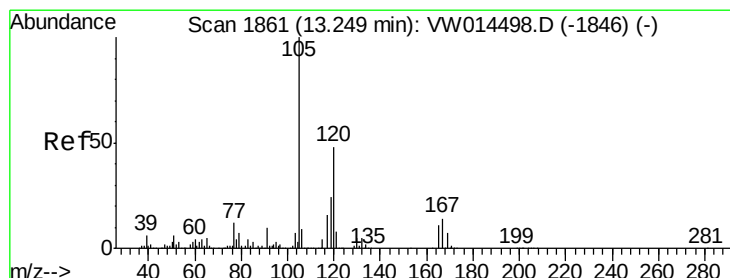
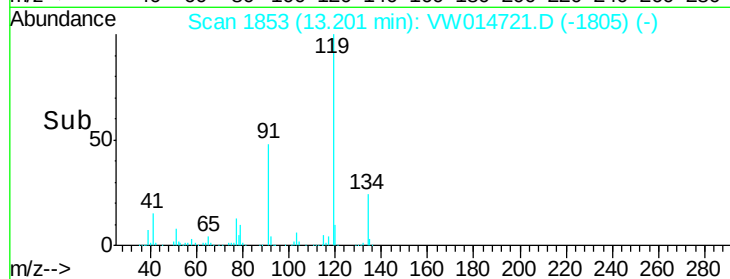
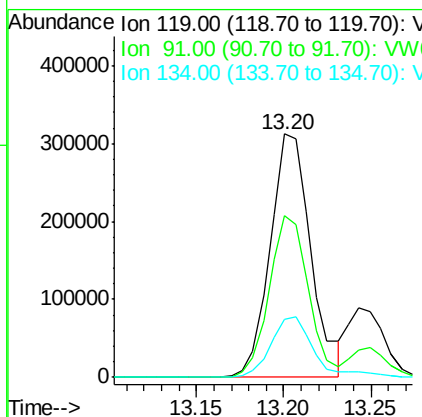
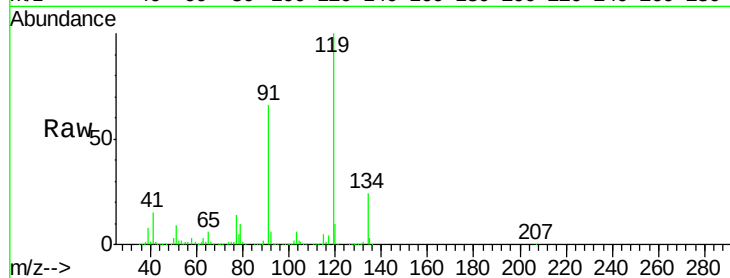
#83
tert-Butylbenzene
Concen: 22.834 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.1	93.3
134	26.3	13.5	40.5

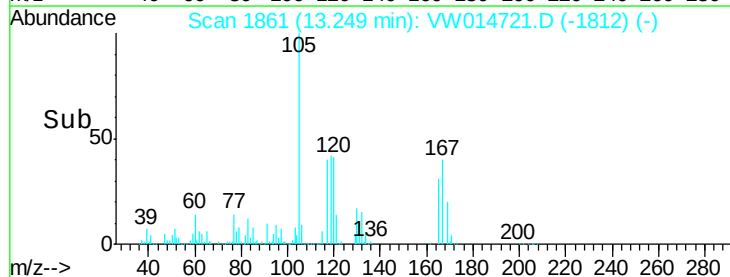
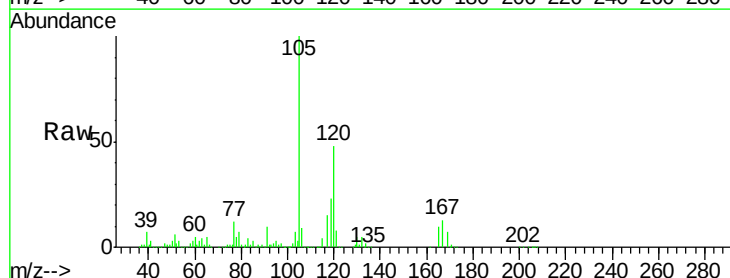
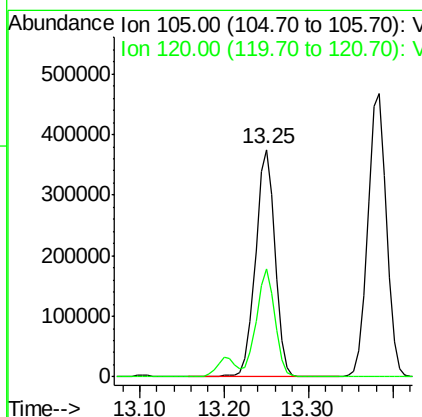
Manual Integrations
APPROVED

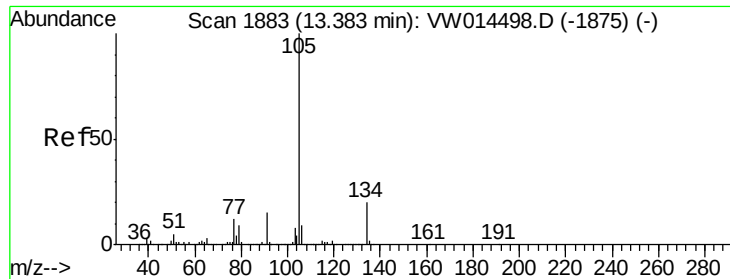
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.297 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 23.361 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion:105 Resp: 719102

Ion Ratio Lower Upper

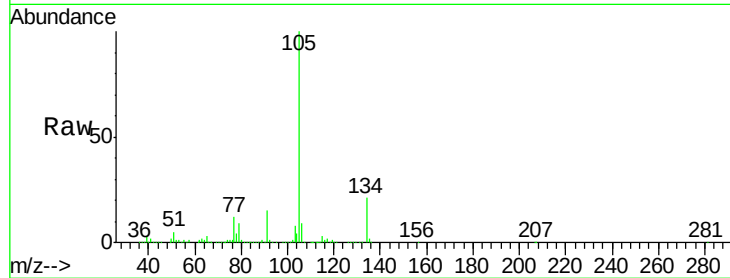
105 100

134 20.2 10.2 30.6

Manual Integrations
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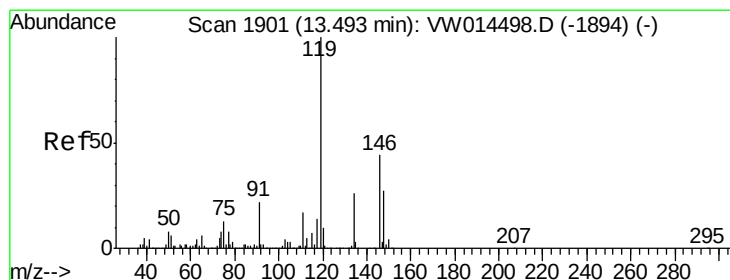
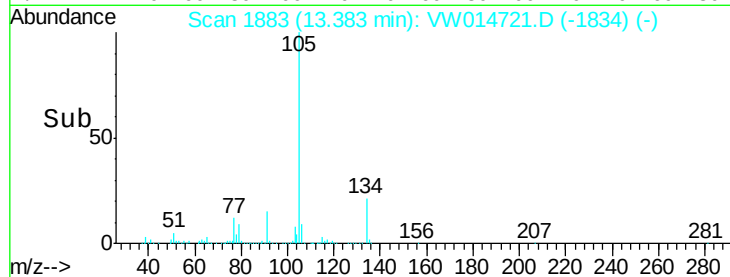
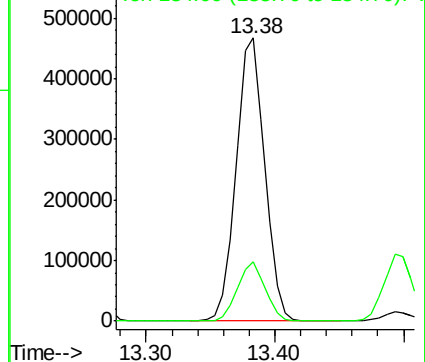
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.103 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

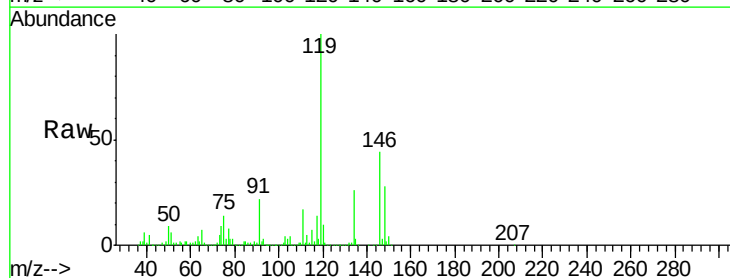
Tgt Ion:119 Resp: 648220

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

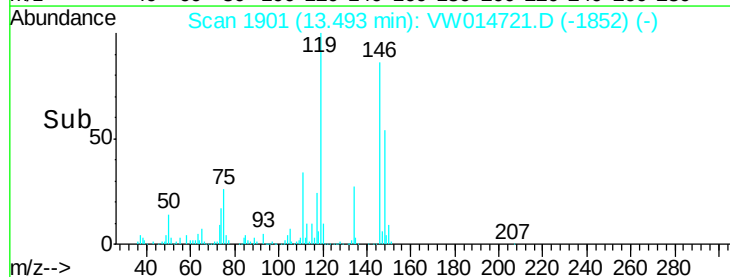
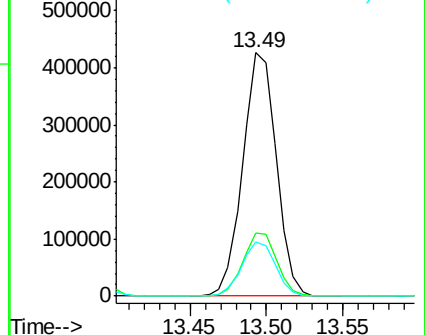
91 22.4 11.1 33.3

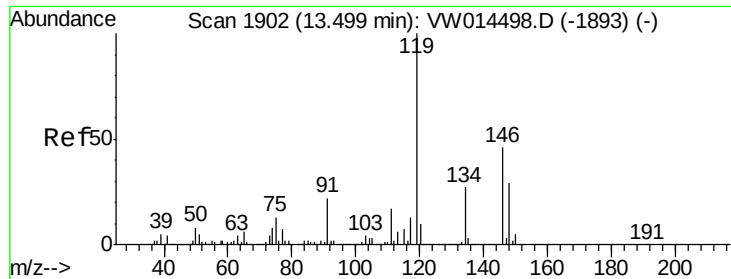


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.757 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

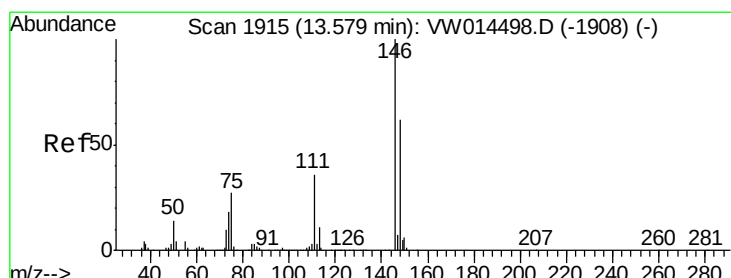
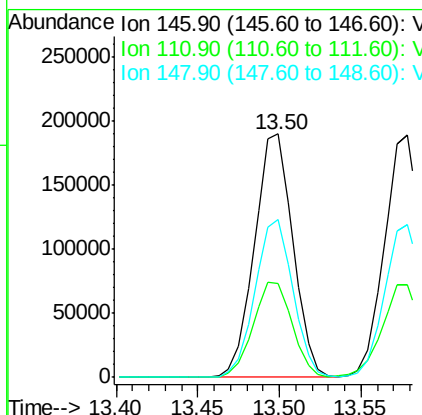
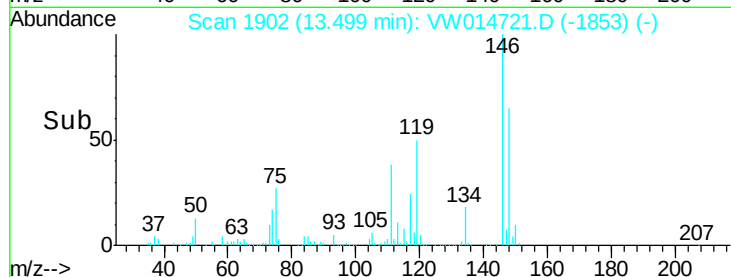
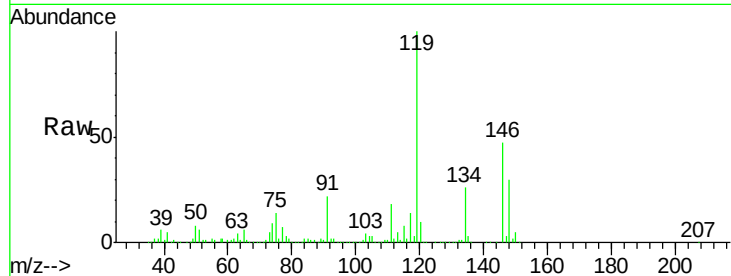
Instrument :
MSVOA_W

ClientSampleId :
VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	310916		
111	39.7	19.3	57.9	
148	64.1	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.645 ug/l

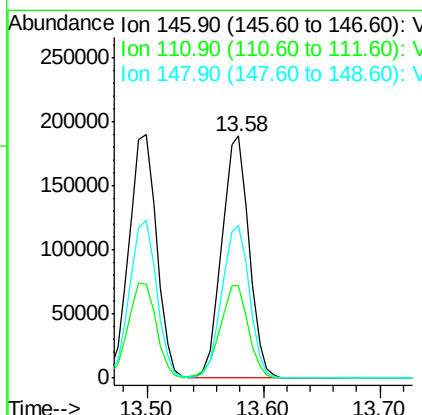
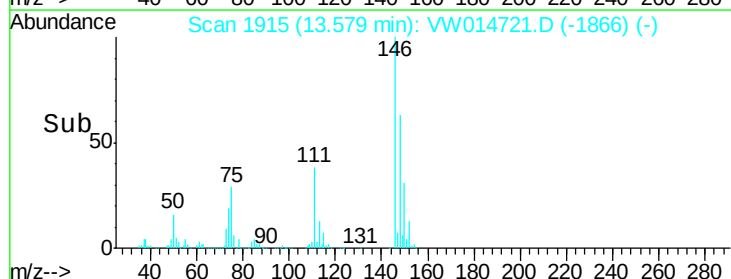
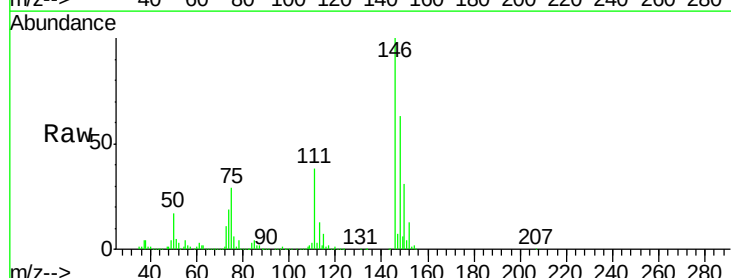
RT: 13.58 min Scan# 1915

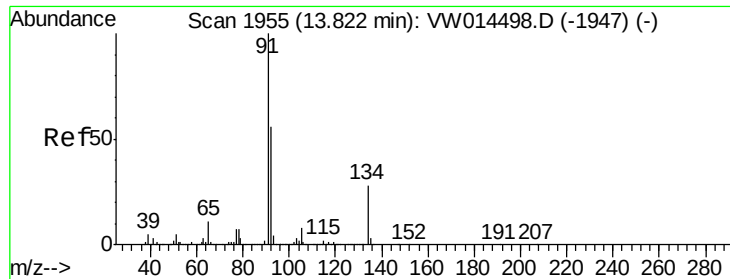
Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305442		
111	39.6	18.7	56.1	
148	64.0	31.7	95.1	





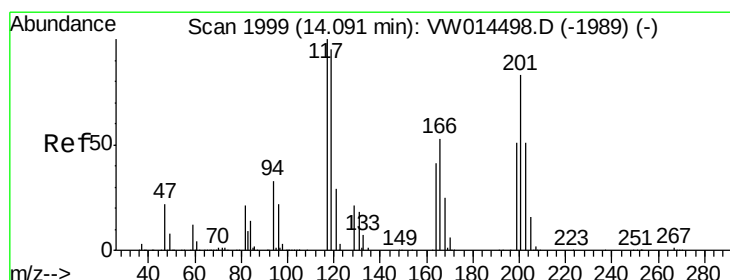
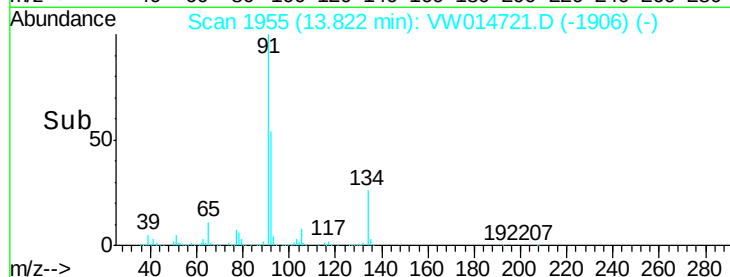
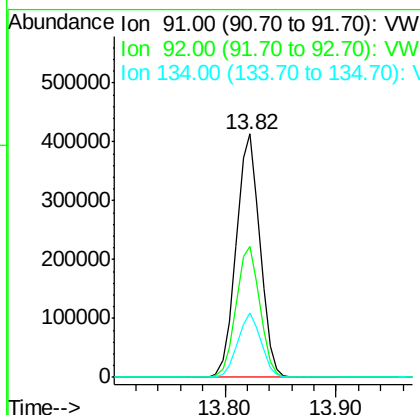
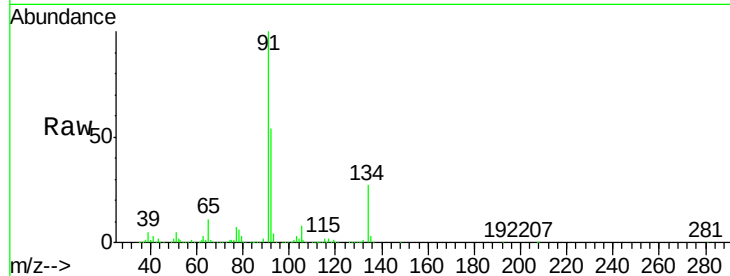
#89
n-Butylbenzene
Concen: 23.327 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	25.9	13.7	41.1

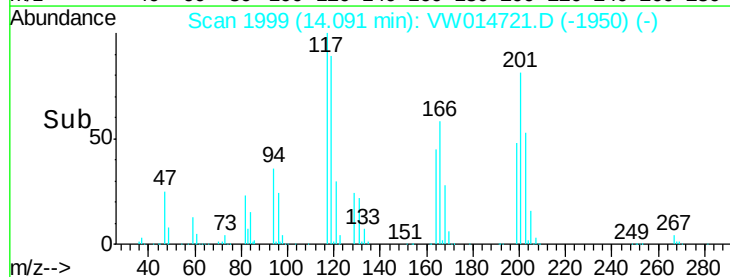
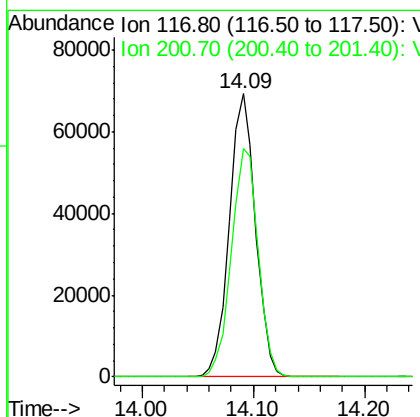
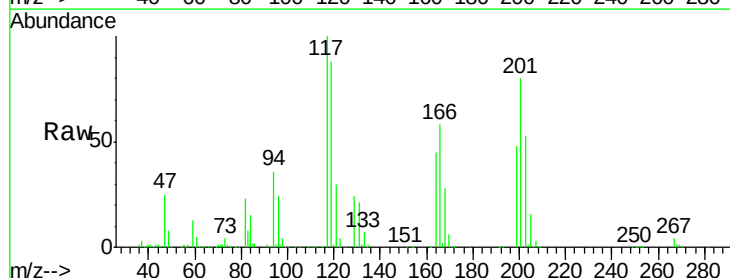
Manual Integrations
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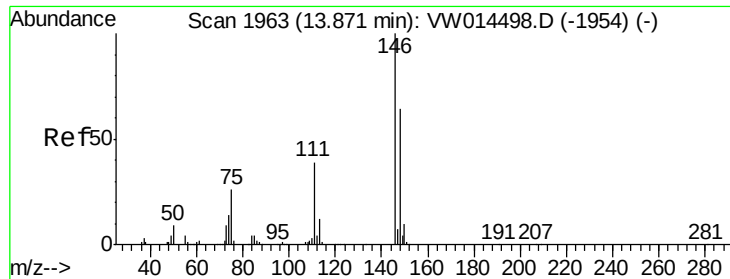
MMDadoda
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#90
Hexachloroethane
Concen: 22.980 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	43.0	128.8





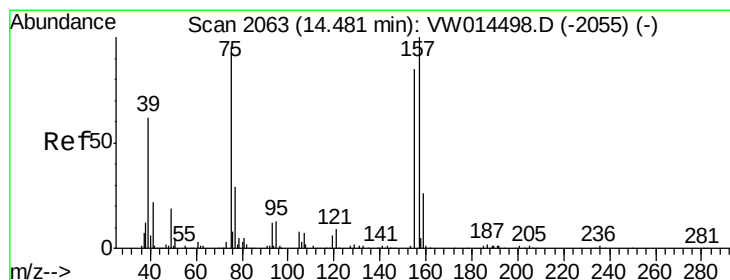
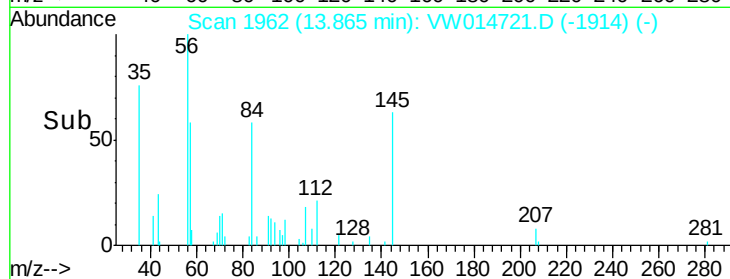
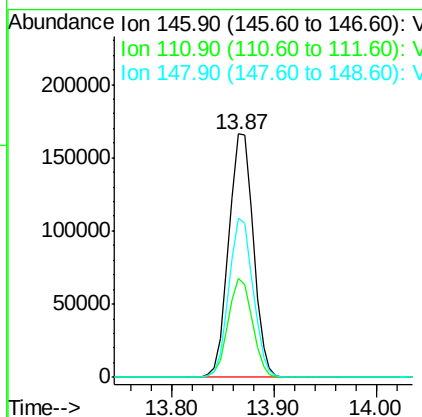
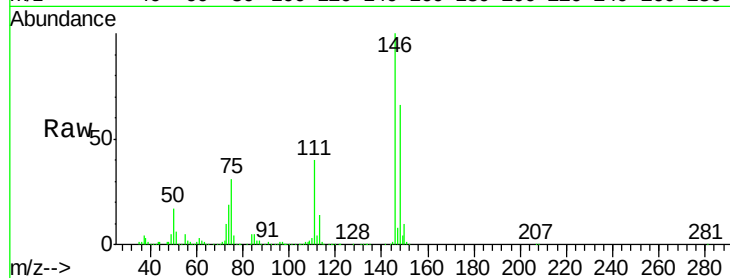
#91
 1,2-Dichlorobenzene
 Concen: 23.041 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	64.1	32.3	96.8

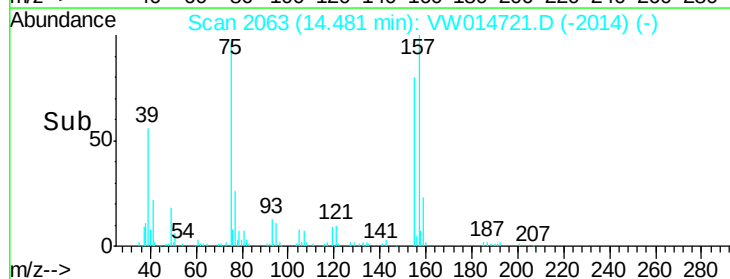
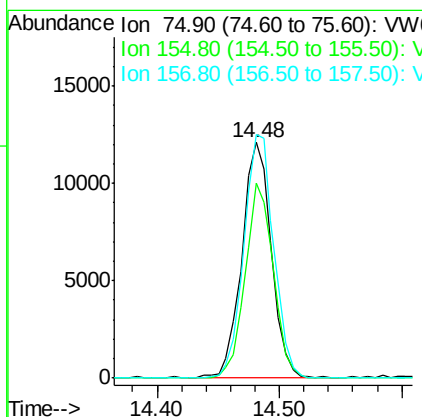
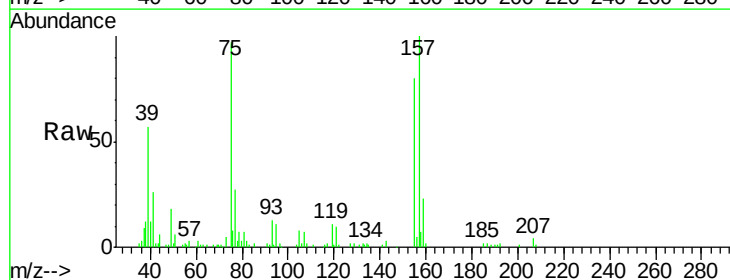
Manual Integrations
 APPROVED

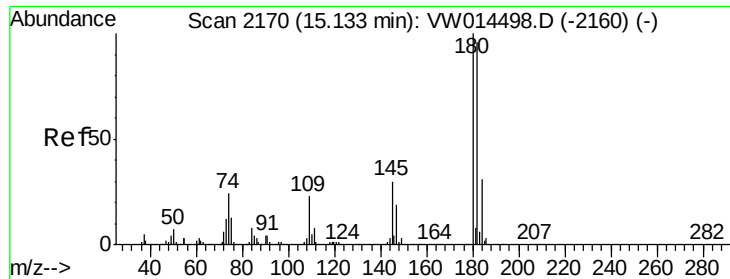
MMDadoda
 1/24/2020 4:02:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.399 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	45.8	137.4
157	104.9	58.1	174.2





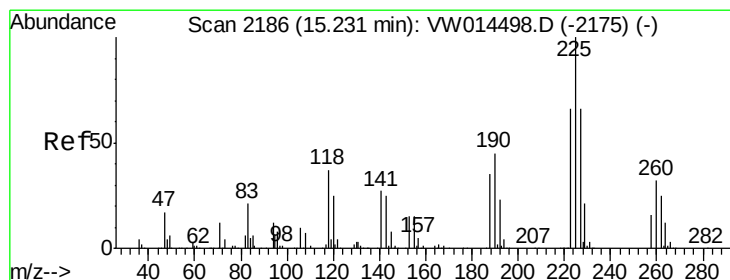
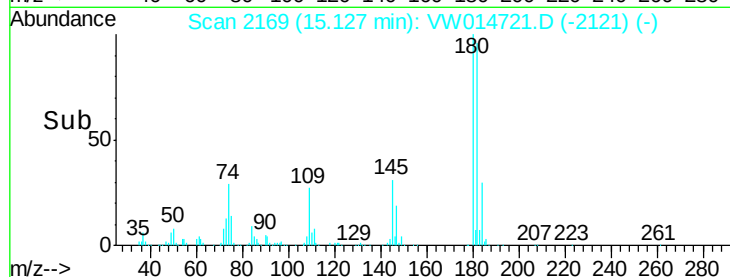
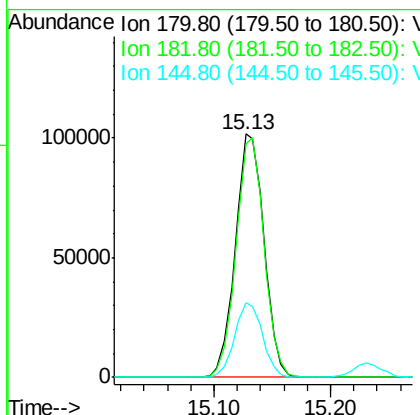
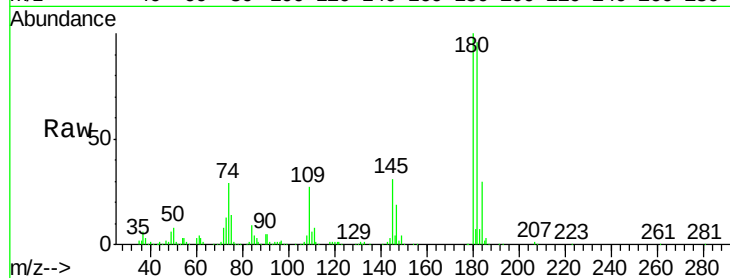
#93
 1,2,4-Trichlorobenzene
 Concen: 21.494 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	174298		
182	96.6	47.3	141.8	
145	29.9	14.7	44.1	

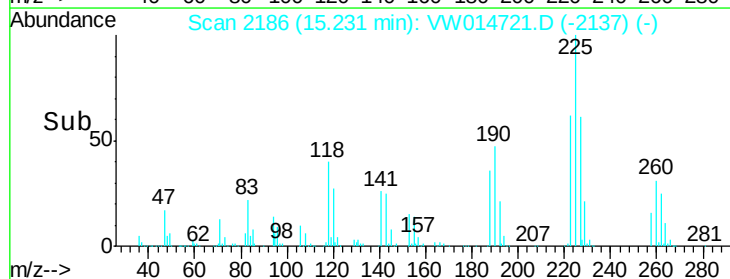
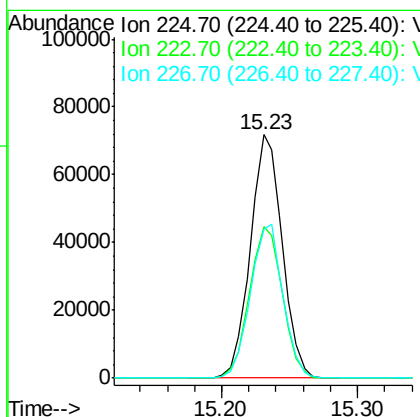
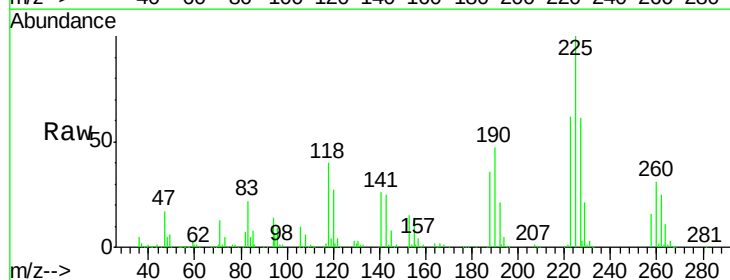
Manual Integrations
 APPROVED

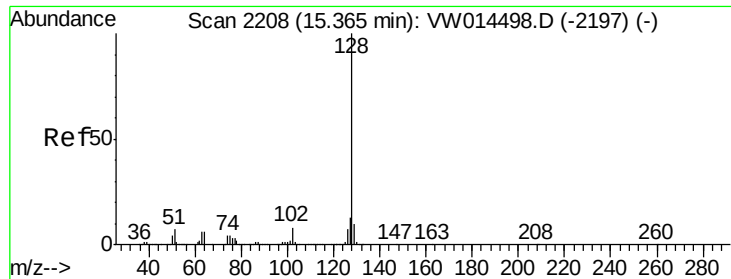
MMDadoda
 1/24/2020 4:02:33 PM



#94
 Hexachlorobutadiene
 Concen: 21.743 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118160		
223	64.4	32.4	97.2	
227	64.2	32.6	97.8	





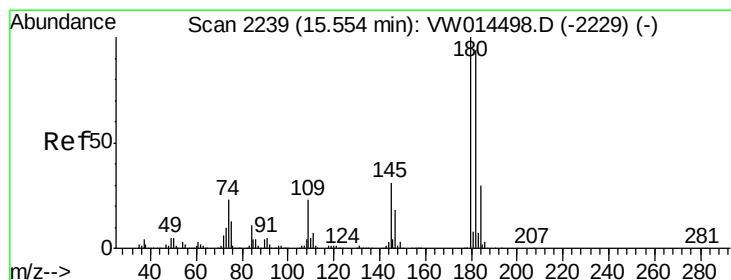
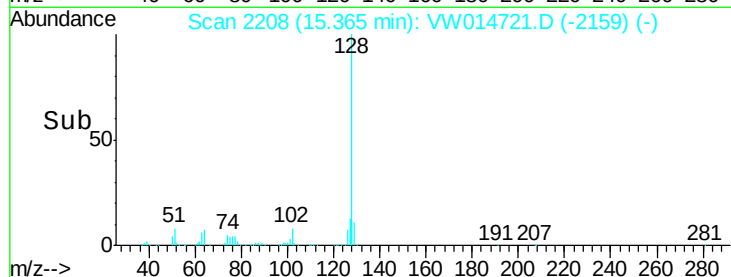
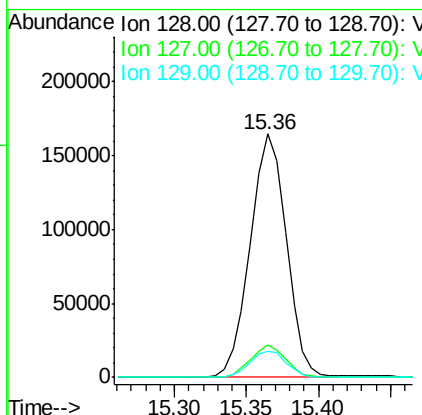
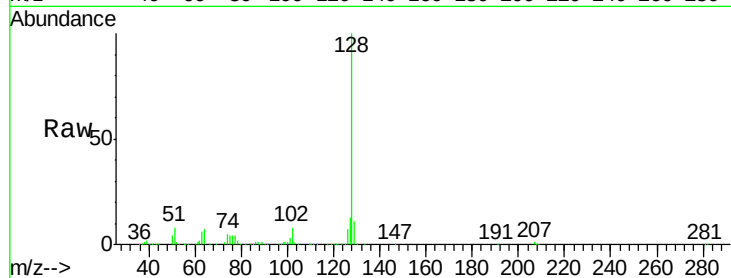
#95
Naphthalene
Concen: 20.681 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	286016		
127	12.9		10.6	15.8
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/24/2020 4:02:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.391 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	151205		
182	95.1		47.4	142.2
145	30.8		15.5	46.5

