

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015526.D
 Acq On : 02 Jun 2020 14:07
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW062220

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:23 PM

Quant Time: Jun 02 15:31:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121769	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.88	113	112126	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.32	98	446758	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.62	95	166062	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	75693	56.002	ug/l	99
3) Chloromethane	2.22	50	84564	50.905	ug/l	99
4) Vinyl Chloride	2.37	62	137457	53.093	ug/l	99
5) Bromomethane	2.79	94	90597	49.637	ug/l	98
6) Chloroethane	2.93	64	86423	51.568	ug/l	96
7) Trichlorofluoromethane	3.26	101	106334	55.037	ug/l	98
8) Diethyl Ether	3.68	74	59794	51.029	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121119	51.526	ug/l	99
10) Methyl Iodide	4.26	142	176114	50.743	ug/l	99
11) Tert butyl alcohol	5.17	59	46135	272.413	ug/l	99
12) 1,1-Dichloroethene	4.04	96	121100	51.766	ug/l	99
13) Acrolein	3.89	56	37529	240.410	ug/l	99
14) Allyl chloride	4.67	41	202047	50.778	ug/l	99
15) Acrylonitrile	5.37	53	118024	243.597	ug/l	99
16) Acetone	4.12	43	141675	246.202	ug/l	100
17) Carbon Disulfide	4.38	76	363110	51.970	ug/l	100
18) Methyl Acetate	4.67	43	52288	45.594	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	188146	51.825	ug/l	99
20) Methylene Chloride	4.91	84	123393	46.099	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	133759	50.536	ug/l	100
22) Diisopropyl ether	6.31	45	383327	50.981	ug/l	99
23) Vinyl Acetate	6.26	43	1126674	252.724	ug/l	99
24) 1,1-Dichloroethane	6.21	63	235134	49.631	ug/l	99
25) 2-Butanone	7.17	43	162973	237.448	ug/l	99
26) 2,2-Dichloropropane	7.17	77	159917	48.060	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	143353	49.789	ug/l	98
28) Bromochloromethane	7.51	49	85983	48.359	ug/l	98
29) Tetrahydrofuran	7.53	42	97256	239.011	ug/l	100
30) Chloroform	7.68	83	234863	49.383	ug/l	98
31) Cyclohexane	7.96	56	224829	48.596	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	207196	50.441	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194156	50.936	ug/l	100
37) Ethyl Acetate	7.25	43	71686	48.458	ug/l	99
38) Carbon Tetrachloride	8.07	117	191442	51.297	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	246182	52.370	ug/l	97
40) Benzene	8.32	78	521846	50.733	ug/l	99
41) Methacrylonitrile	7.48	41	41068	48.331	ug/l	92
42) 1,2-Dichloroethane	8.40	62	156835	49.956	ug/l	100
43) Isopropyl Acetate	8.42	43	144414	49.139	ug/l	99
44) Trichloroethene	9.09	130	139623	50.868	ug/l	97
45) 1,2-Dichloropropane	9.37	63	126936	50.588	ug/l	98
46) Dibromomethane	9.46	93	63824	49.825	ug/l	100
47) Bromodichloromethane	9.65	83	176851	51.021	ug/l	100
48) Methyl methacrylate	9.44	41	68324	50.860	ug/l	99
49) 1,4-Dioxane	9.45	88	19102	890.963	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	349127	250.035	ug/l	99
52) Toluene	10.39	92	342596	51.634	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175435	51.346	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	208689	51.833	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	88765	49.643	ug/l	98
56) Ethyl methacrylate	10.65	69	118237	50.838	ug/l	98
57) 1,3-Dichloropropane	10.93	76	158927	50.193	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	282430	253.973	ug/l	99
59) 2-Hexanone	10.97	43	244310	252.955	ug/l	100
60) Dibromochloromethane	11.13	129	110709	50.743	ug/l	99
61) 1,2-Dibromoethane	11.24	107	87384	51.066	ug/l	100
64) Tetrachloroethene	10.87	164	114953	50.041	ug/l	91
65) Chlorobenzene	11.66	112	355574	50.878	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	128148	51.308	ug/l	98
67) Ethyl Benzene	11.73	91	680168	51.724	ug/l	99
68) m/p-Xylenes	11.84	106	515259	104.870	ug/l	99
69) o-Xylene	12.17	106	237256	51.837	ug/l	99
70) Styrene	12.18	104	410052	52.454	ug/l	99
71) Bromoform	12.35	173	60191	50.139	ug/l	# 100
73) Isopropylbenzene	12.46	105	672159	50.696	ug/l	99
74) N-amyl acetate	12.27	43	141221	49.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	99670	48.786	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	74040m	50.632	ug/l	
77) Bromobenzene	12.75	156	141238	49.332	ug/l	100
78) n-propylbenzene	12.80	91	805172	50.830	ug/l	99
79) 2-Chlorotoluene	12.90	91	453241	50.409	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	571384	51.138	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34096	50.223	ug/l	100
82) 4-Chlorotoluene	12.99	91	476462	51.327	ug/l	99
83) tert-Butylbenzene	13.21	119	494834	51.893	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	565177	50.617	ug/l	100
85) sec-Butylbenzene	13.38	105	694208	51.587	ug/l	100
86) p-Isopropyltoluene	13.50	119	637210	51.695	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	288852	50.856	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	289441	51.149	ug/l	99
89) n-Butylbenzene	13.82	91	609599	51.519	ug/l	99
90) Hexachloroethane	14.09	117	115120	50.770	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	246553	49.718	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17025	48.336	ug/l	99

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QLast Update : Tue Jun 02 13:57:56 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	173572	50.951	ug/l	98
94) Hexachlorobutadiene	15.24	225	106548	51.288	ug/l	98
95) Naphthalene	15.37	128	295040	51.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	146554	51.072	ug/l	99

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

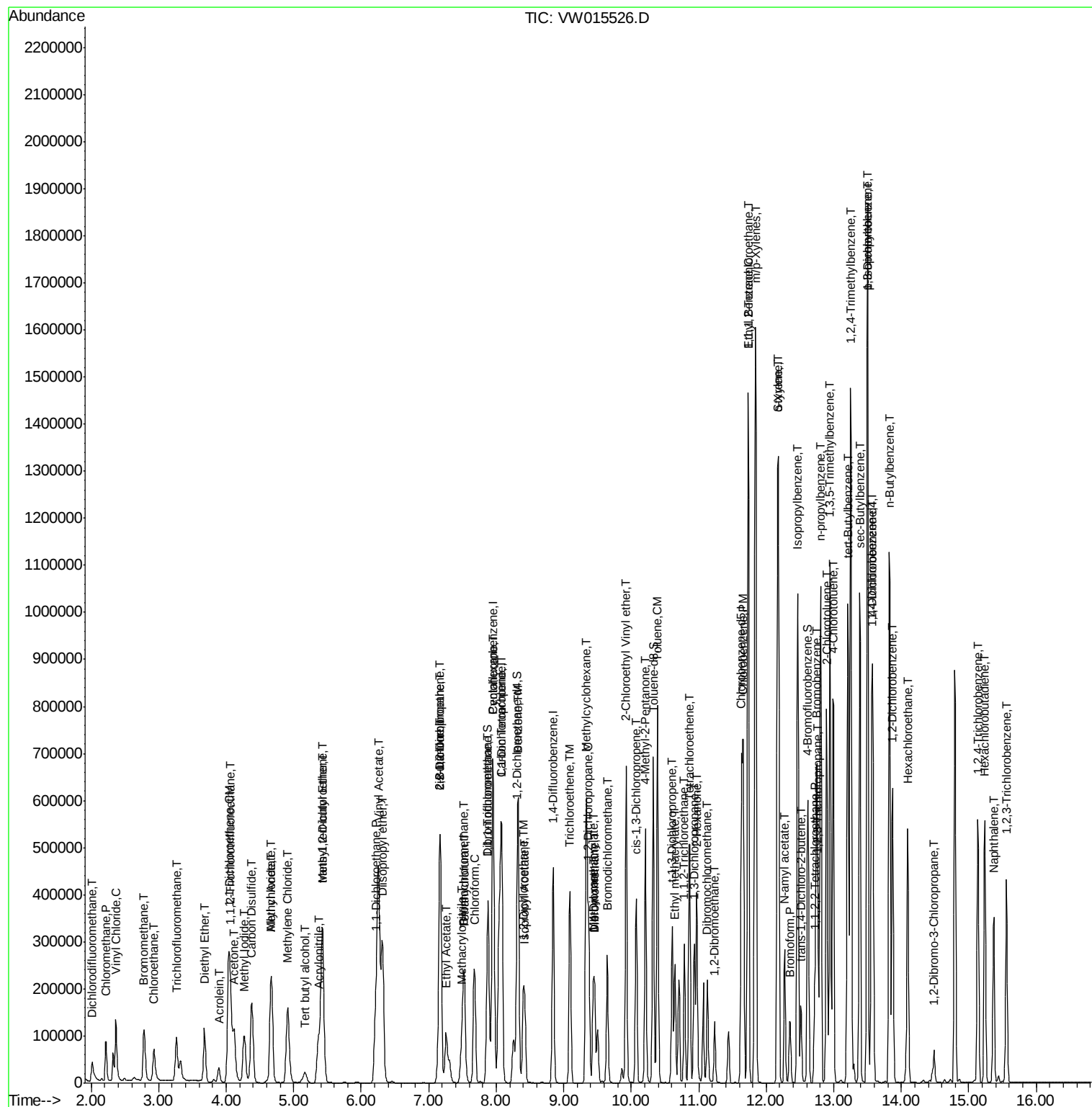
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060220\
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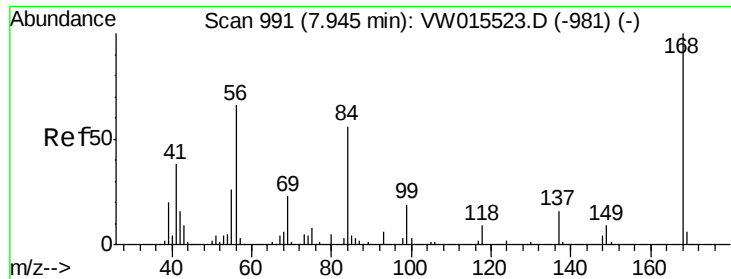
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion:168 Resp: 241951

Ion Ratio Lower Upper

168 100

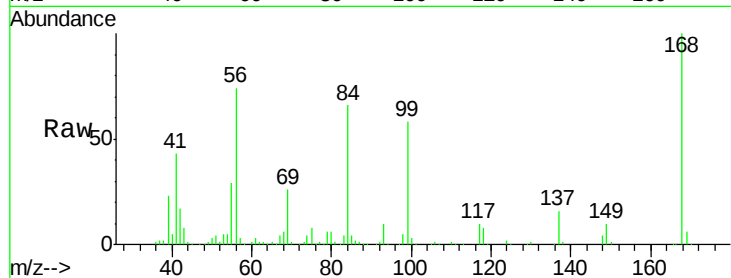
99 57.9 48.6 73.0

Manual Integrations

APPROVED

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6/2/2020 4:00:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

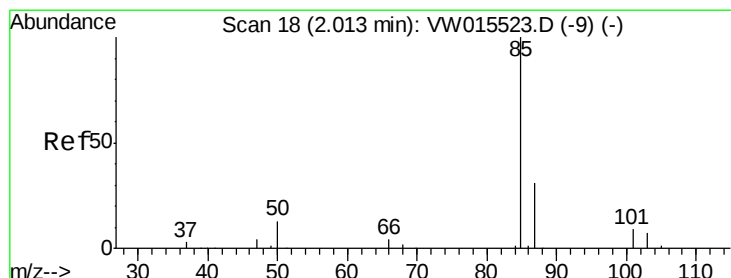
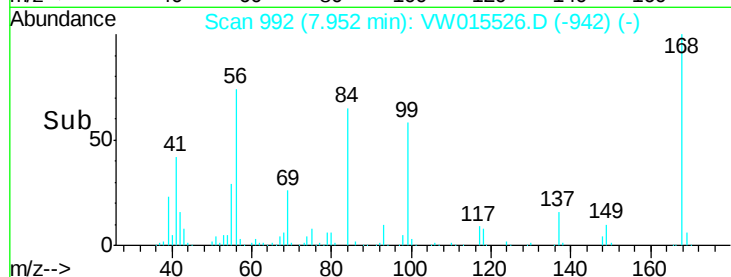
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 56.002 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015526.D

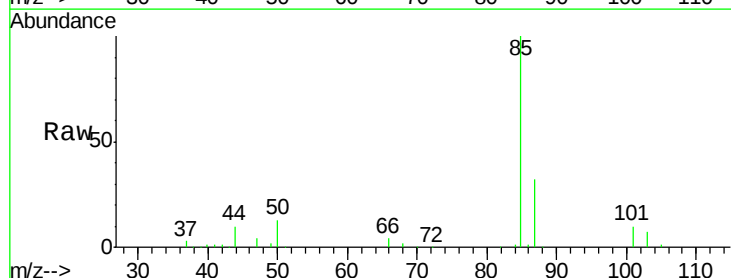
Acq: 02 Jun 2020 14:07

Tgt Ion: 85 Resp: 75693

Ion Ratio Lower Upper

85 100

87 31.7 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

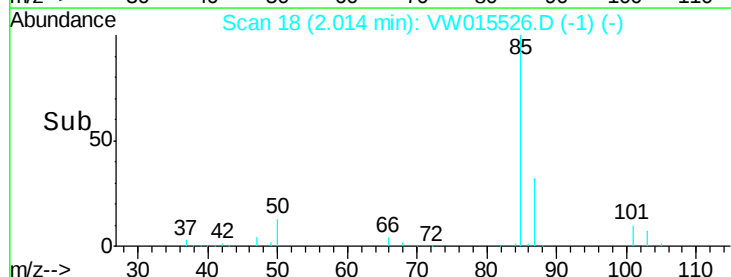
15000

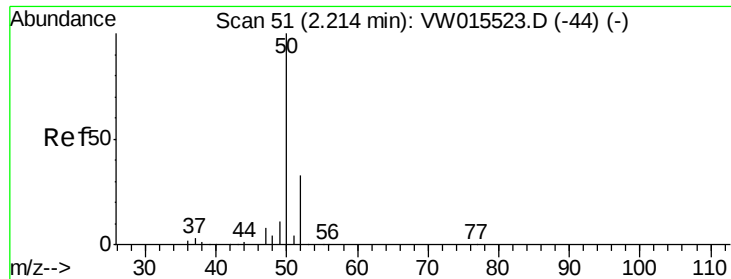
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 50.905 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 50 Resp: 84564

Ion Ratio Lower Upper

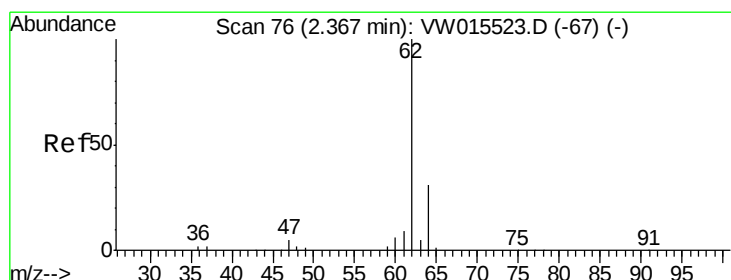
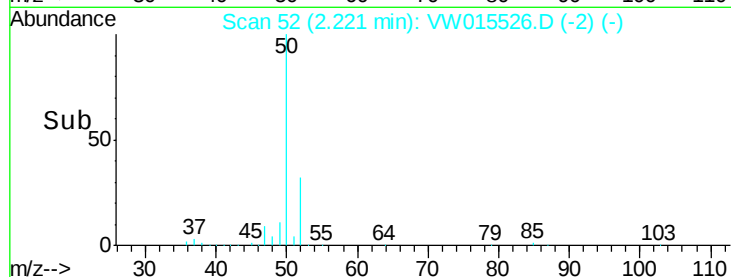
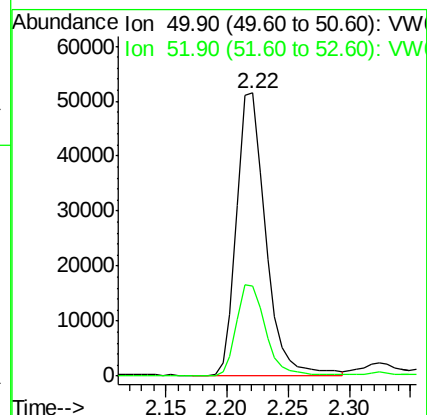
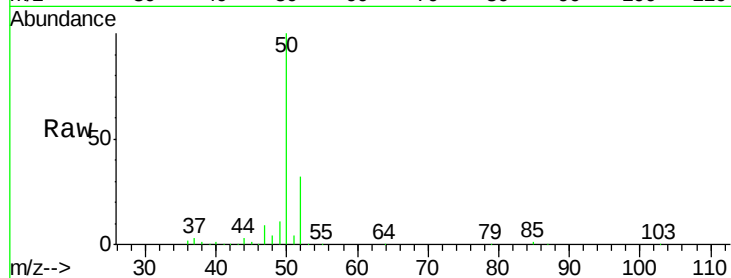
50 100

52 31.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 53.093 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015526.D

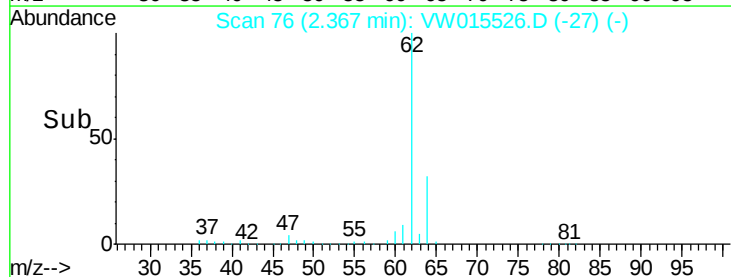
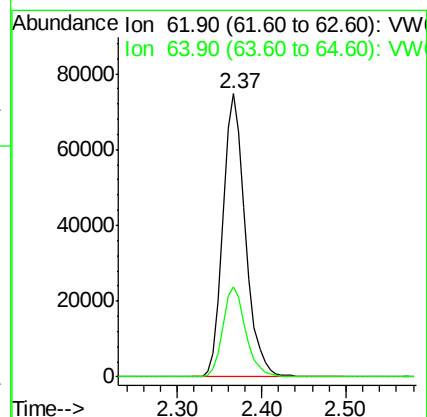
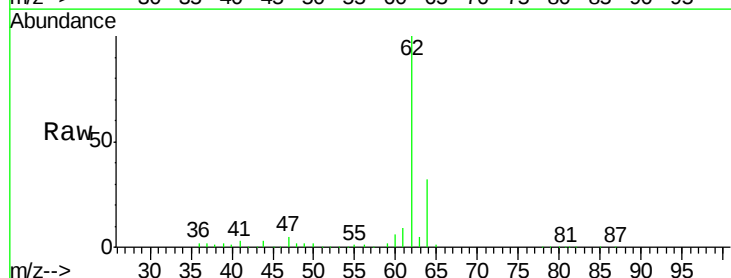
Acq: 02 Jun 2020 14:07

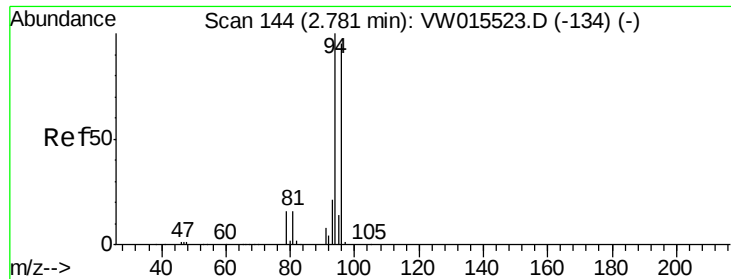
Tgt Ion: 62 Resp: 137457

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 49.637 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 94 Resp: 90597

Ion Ratio Lower Upper

94 100

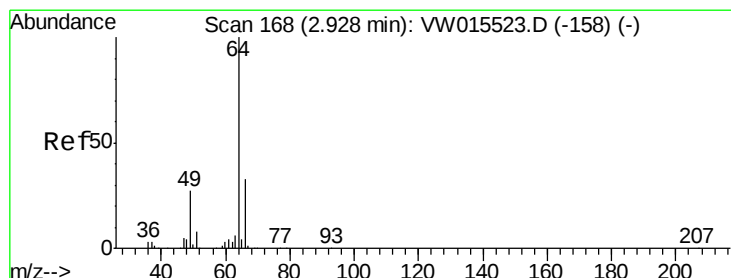
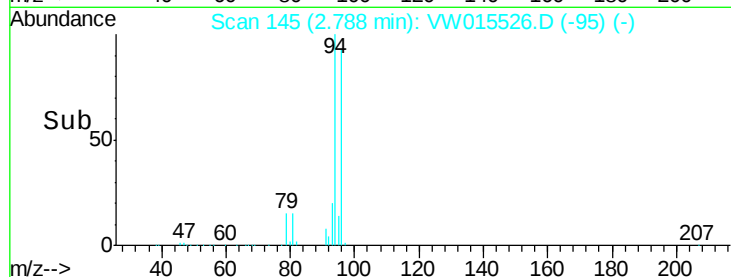
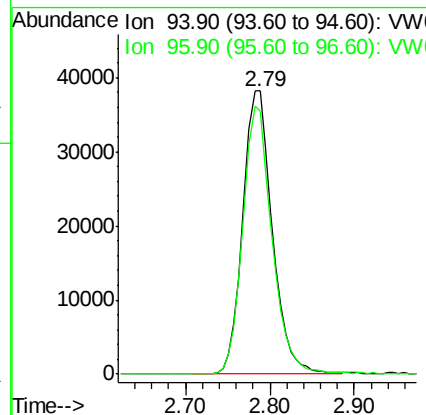
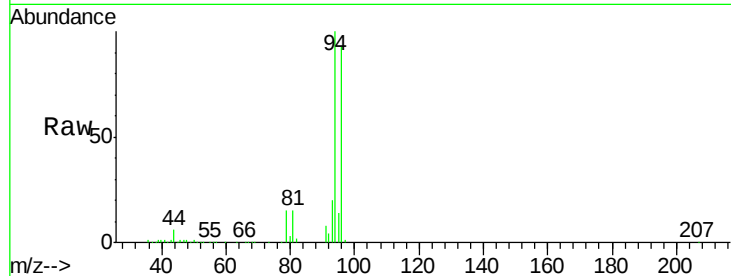
96 92.8 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 51.568 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015526.D

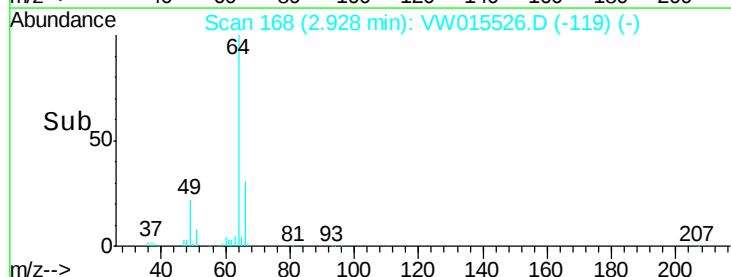
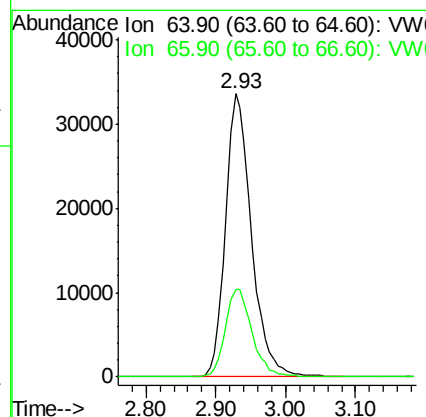
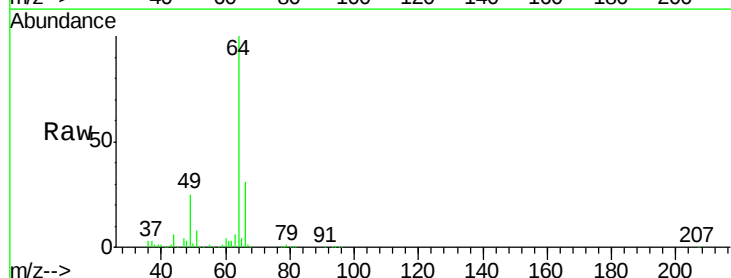
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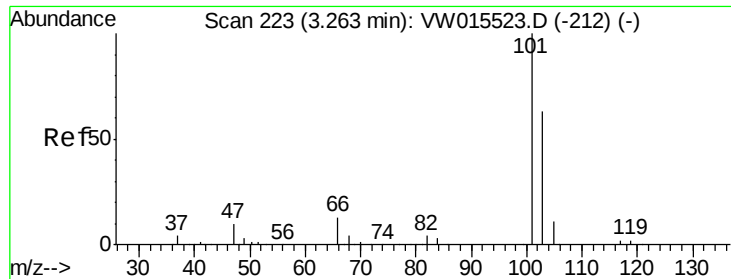
Tgt Ion: 64 Resp: 86423

Ion Ratio Lower Upper

64 100

66 31.1 26.8 40.2





#7

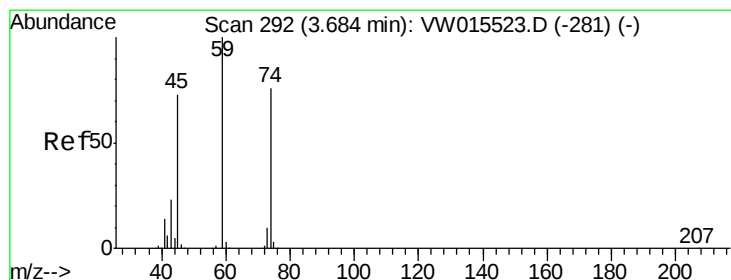
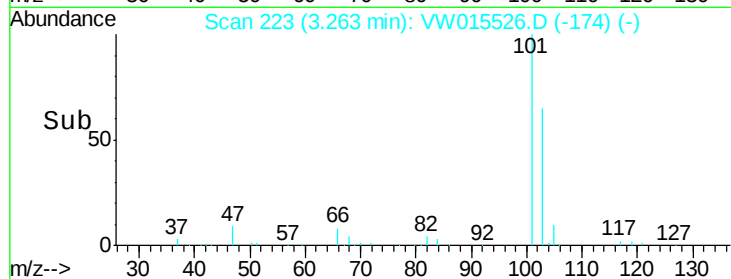
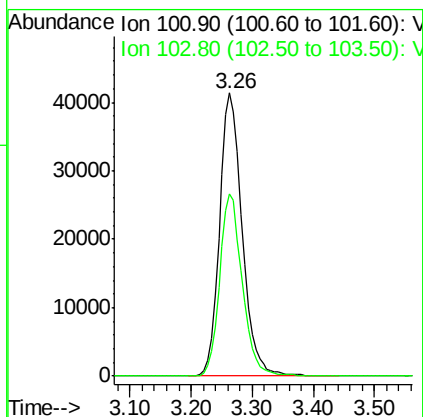
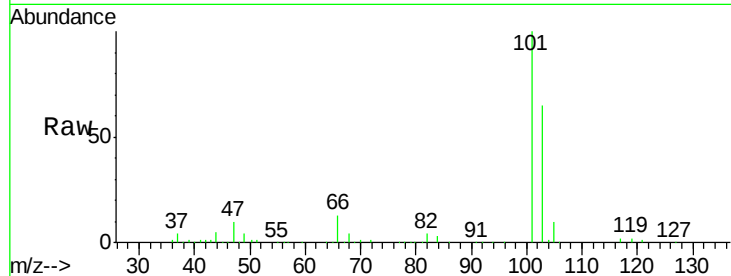
Trichlorofluoromethane
 Concen: 55.037 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015526.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	106334		
103	64.5	50.2	75.2	

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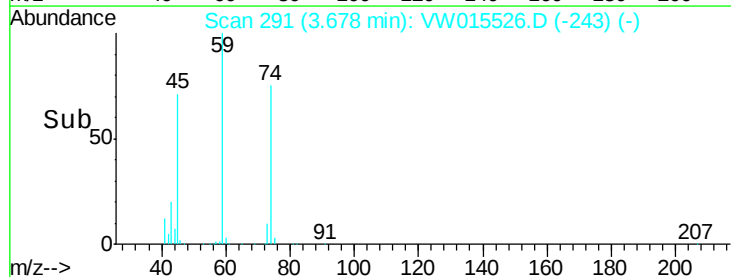
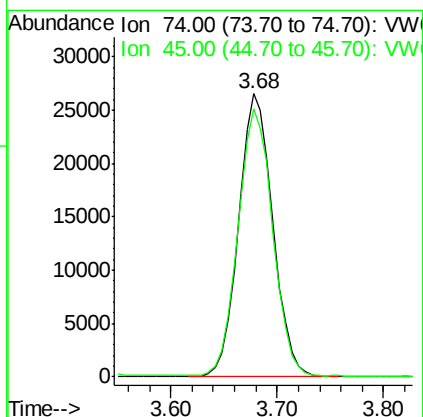
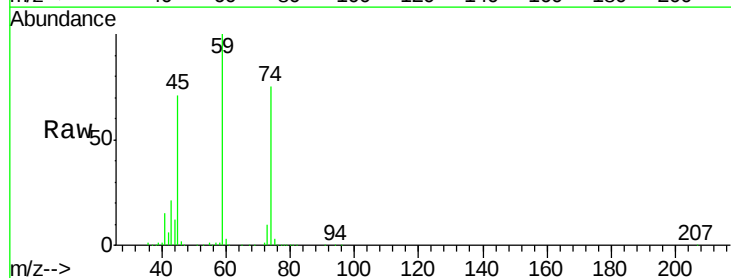
MMDadoda
 6/2/2020 4:00:23 PM

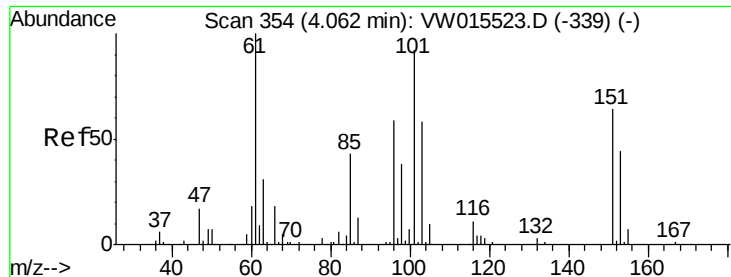


#8

Diethyl Ether
 Concen: 51.029 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59794		
45	96.8	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.526 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

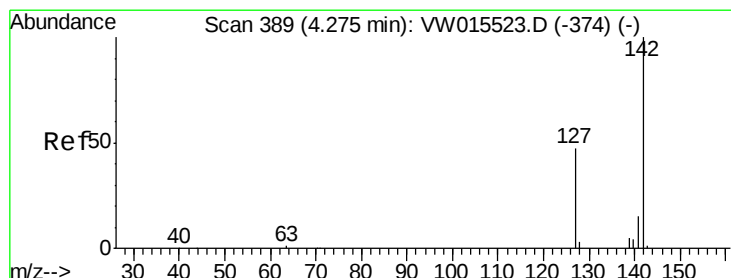
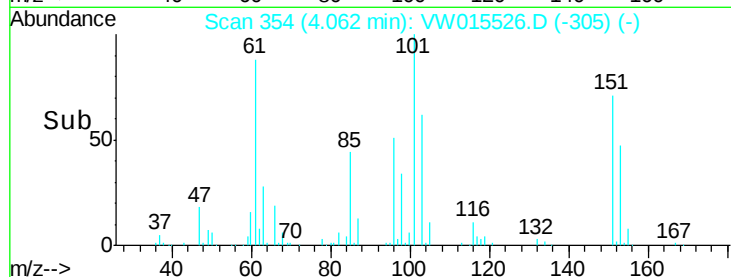
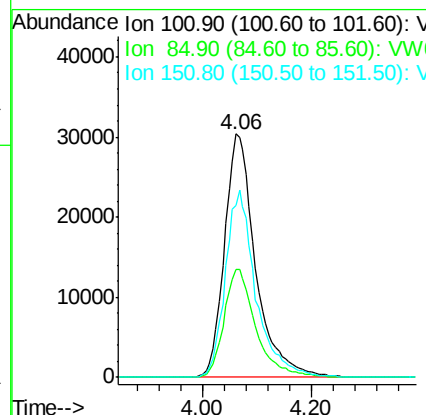
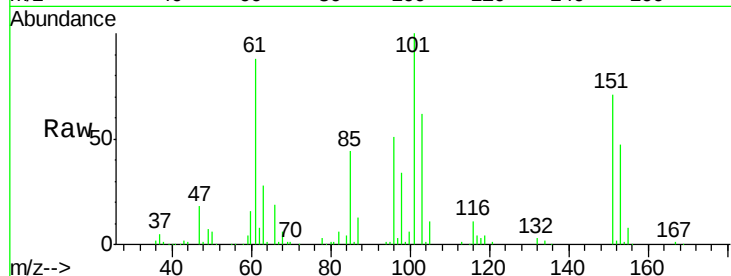
ClientSampleId :

ICVW062220

Tot Ion:	101	Resp:	121119
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.0	55.6
151	75.5	61.1	91.7

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#10

Methyl Iodide

Concen: 50.743 ug/l

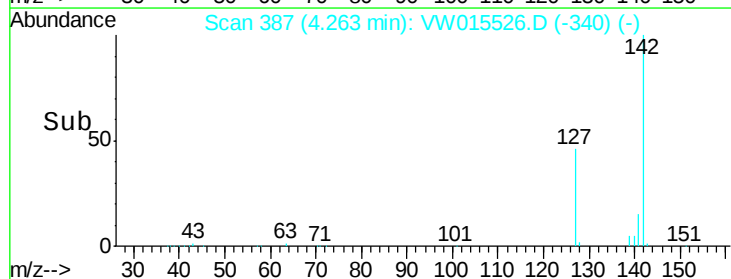
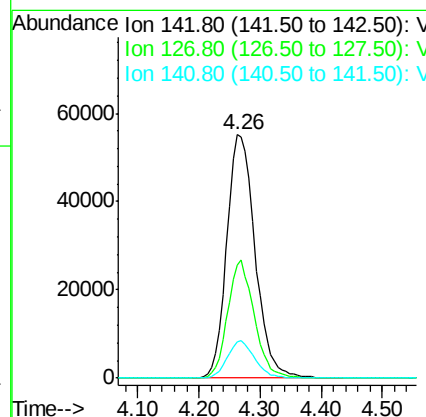
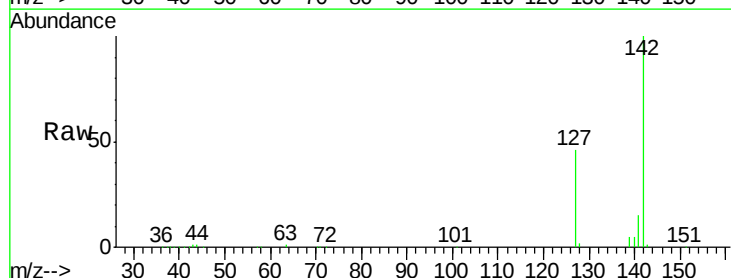
RT: 4.26 min Scan# 387

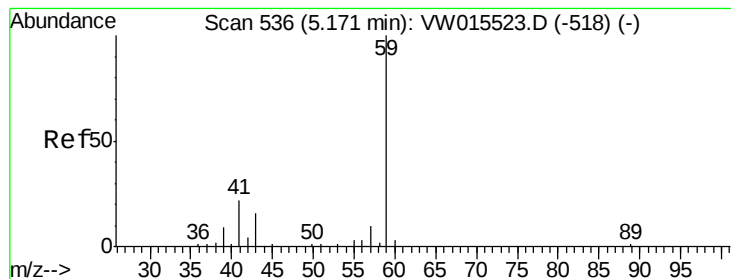
Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion:	142	Resp:	176114
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.9	55.3
141	14.7	11.7	17.5





#11

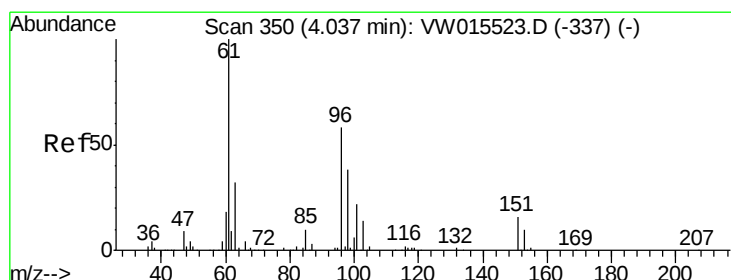
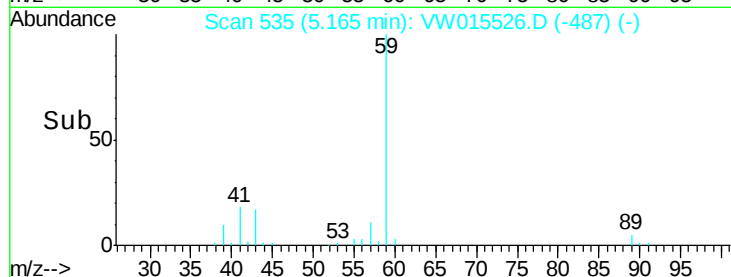
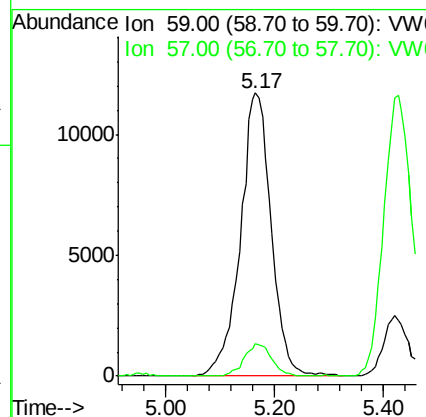
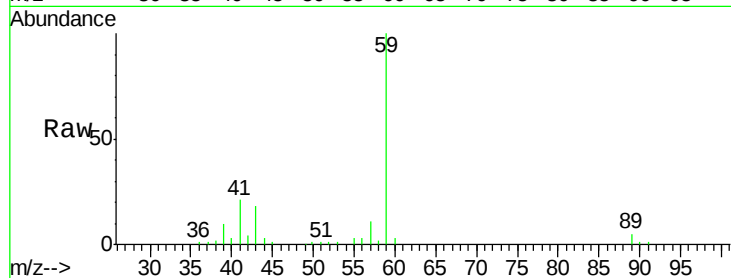
Tert butyl alcohol
Concen: 272.413 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampled :
ICVW062220

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Manual Integrations
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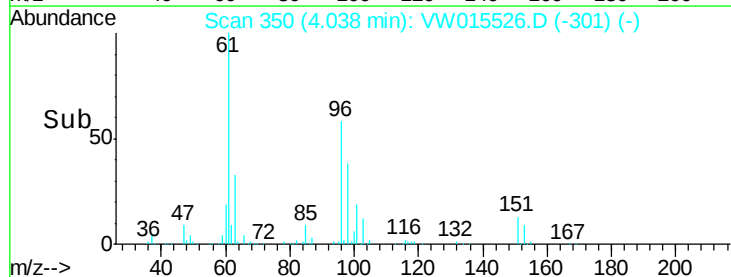
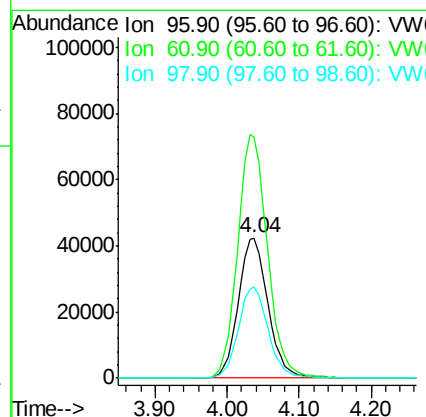
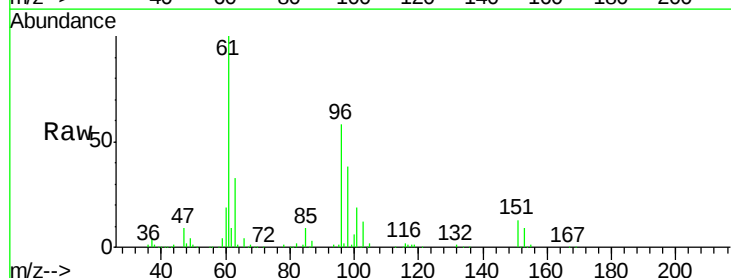
MMDadoda
6/2/2020 4:00:23 PM

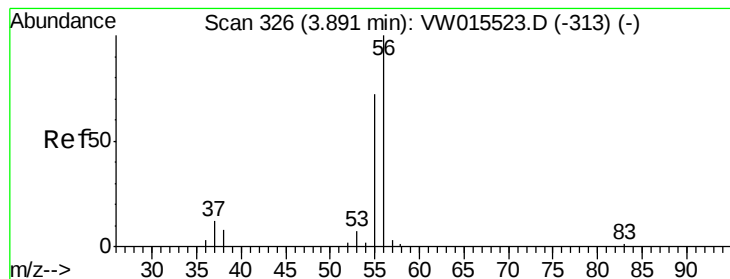


#12

1,1-Dichloroethene
Concen: 51.766 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	138.3	207.5
98	64.5	52.2	78.4





#13

Acrolein

Concen: 240.410 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 56 Resp: 37529

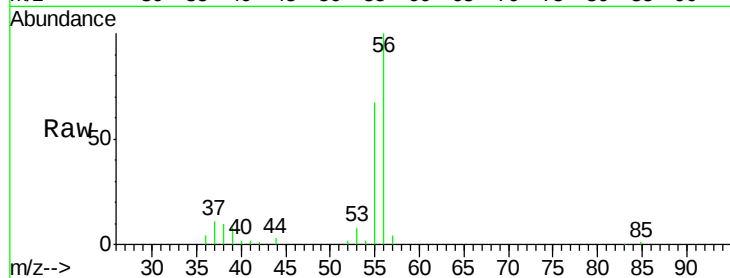
Ion Ratio Lower Upper

56 100

55 71.8 56.5 84.7

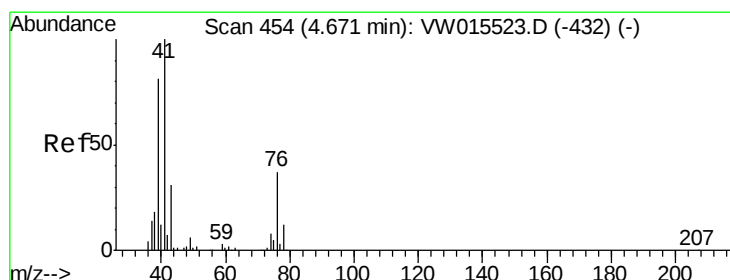
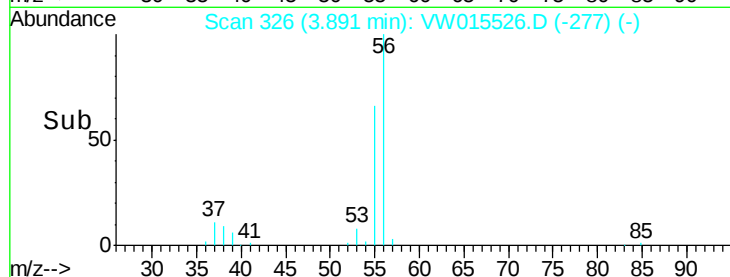
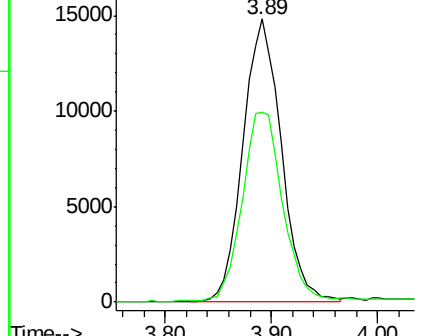
Manual Integrations
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6/2/2020 4:00:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.778 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

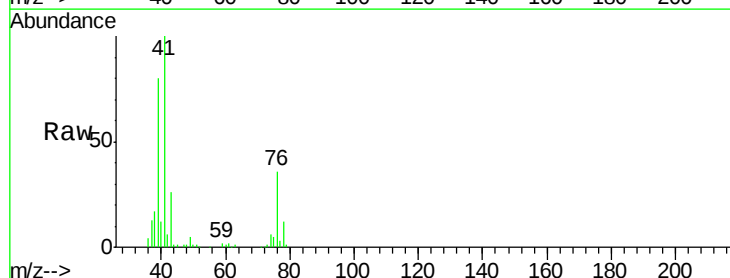
Tgt Ion: 41 Resp: 202047

Ion Ratio Lower Upper

41 100

39 77.9 63.1 94.7

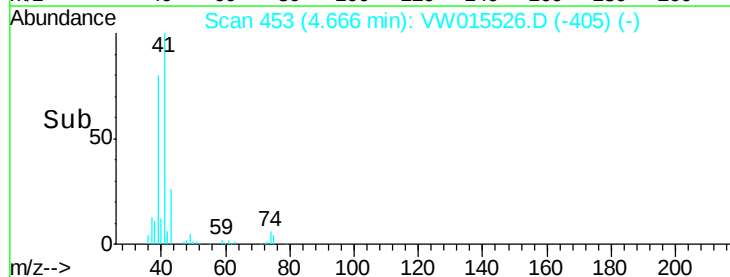
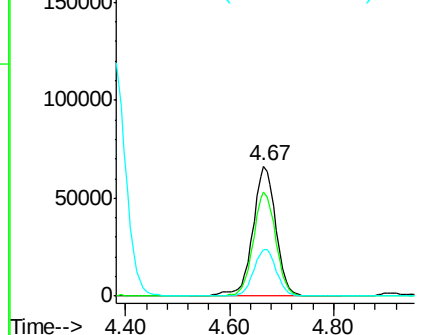
76 35.2 28.6 43.0

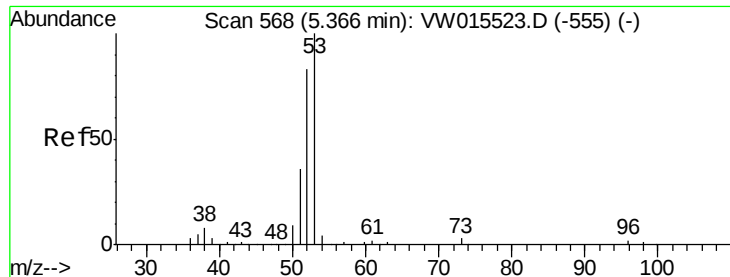


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 243.597 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

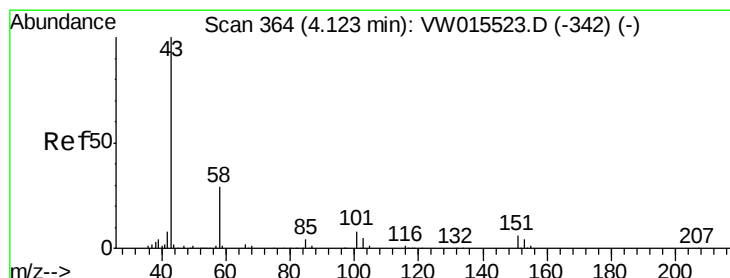
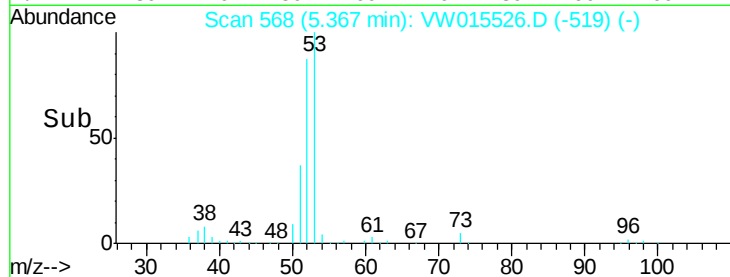
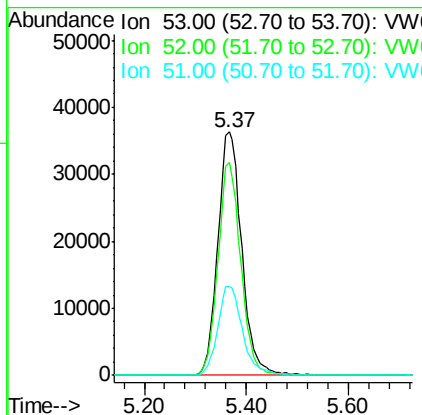
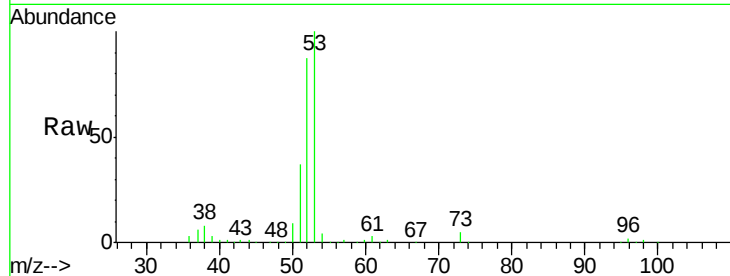
ClientSampleId :

ICVW062220

Tot Ion:	53	Resp:	118024
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.1	99.1
51	38.0	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 246.202 ug/l

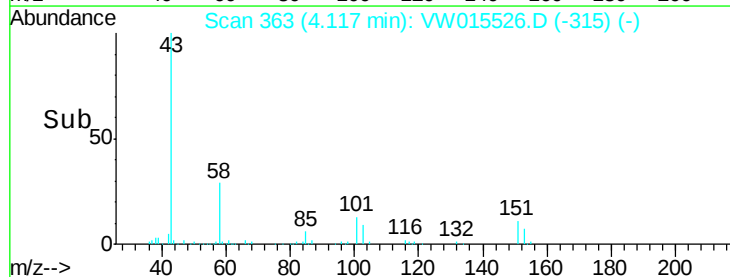
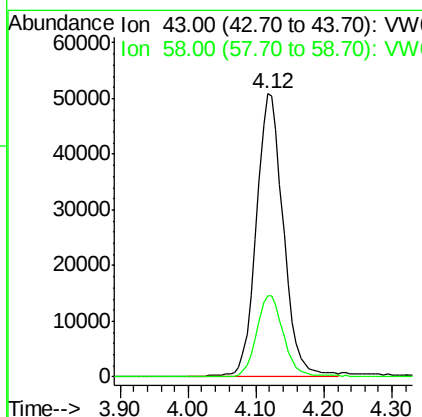
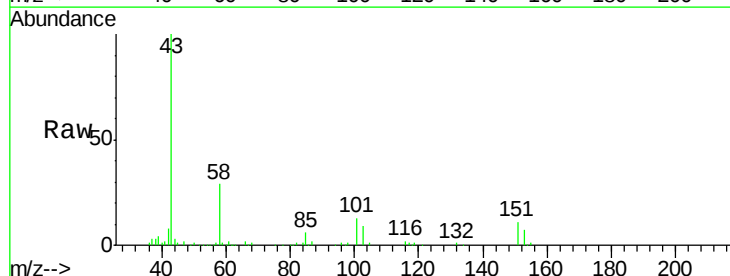
RT: 4.12 min Scan# 363

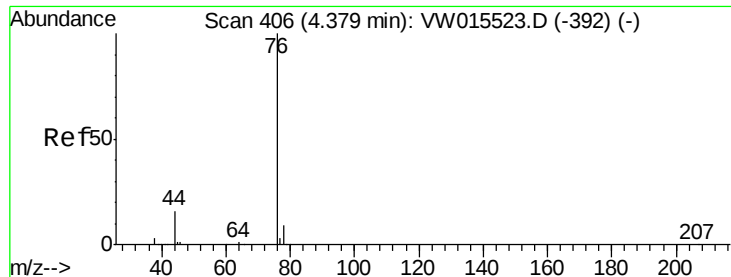
Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion:	43	Resp:	141675
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7





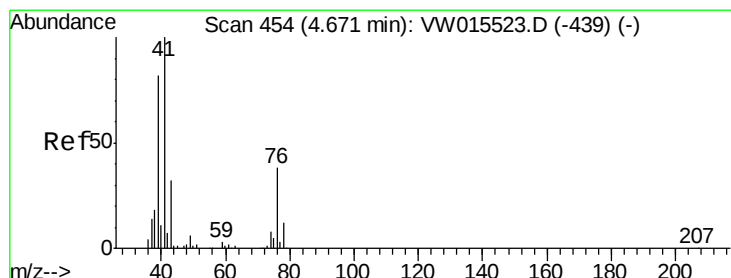
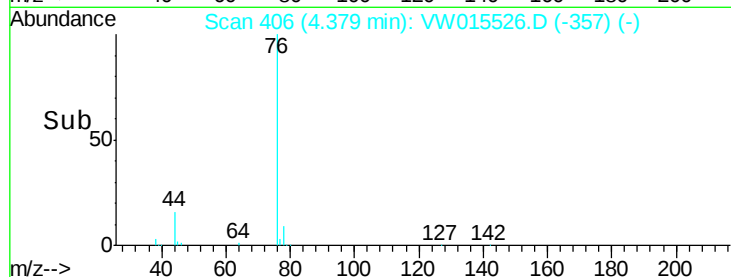
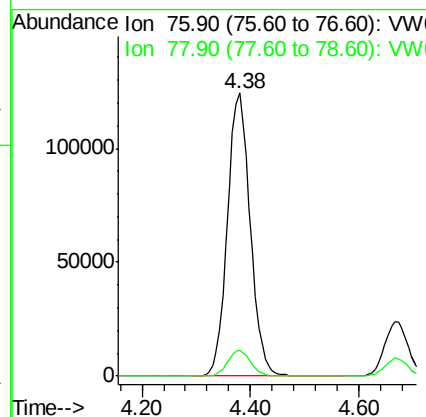
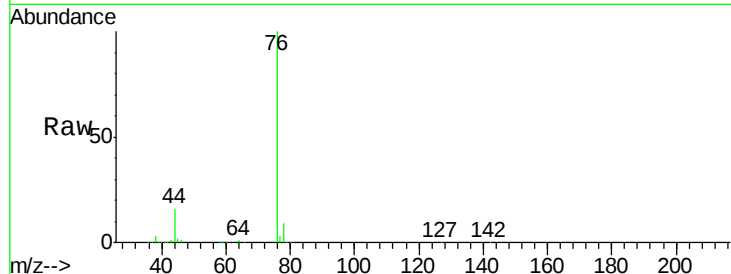
#17
Carbon Disulfide
Concen: 51.970 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampled :
ICVW062220

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

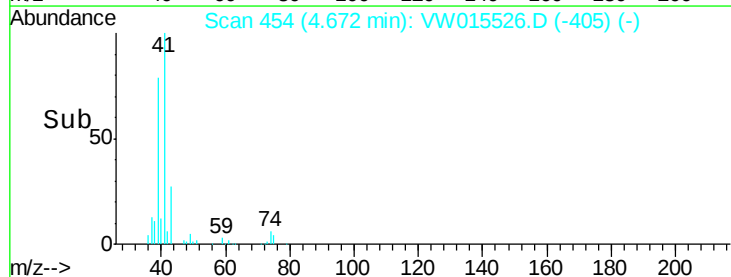
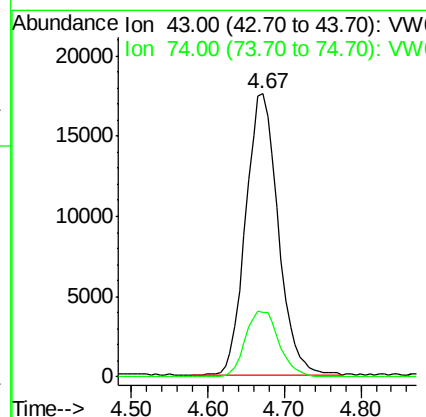
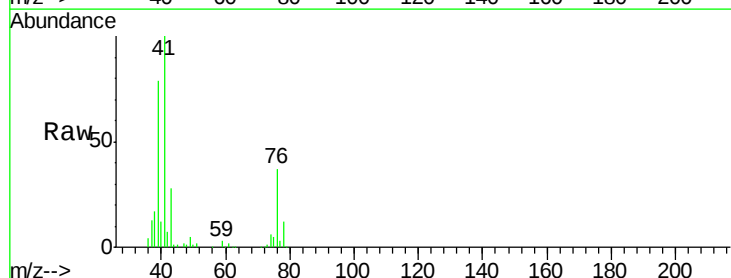
Manual Integrations
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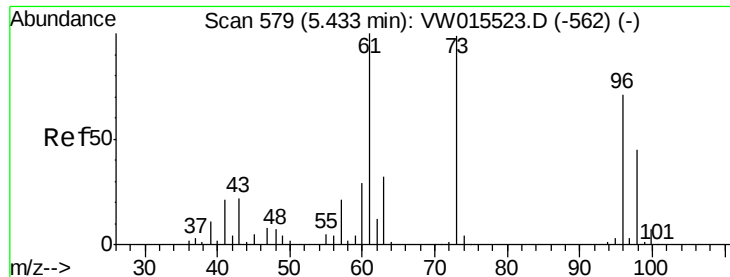
MMDadoda
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#18
Methyl Acetate
Concen: 45.594 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.8	28.2





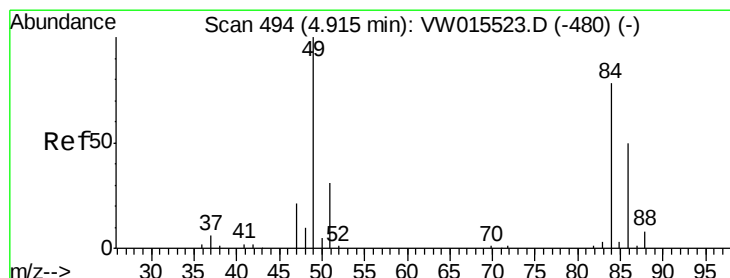
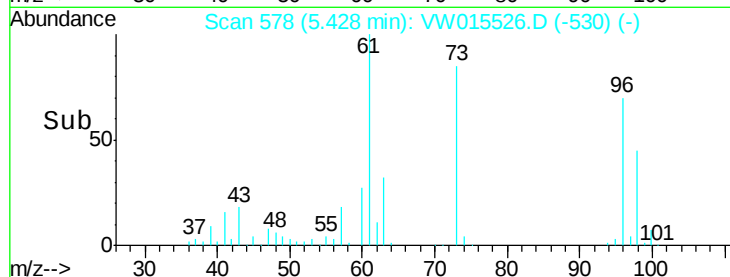
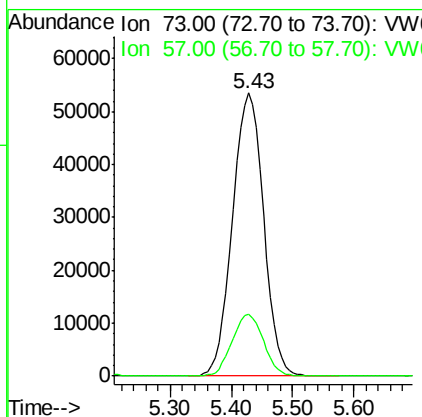
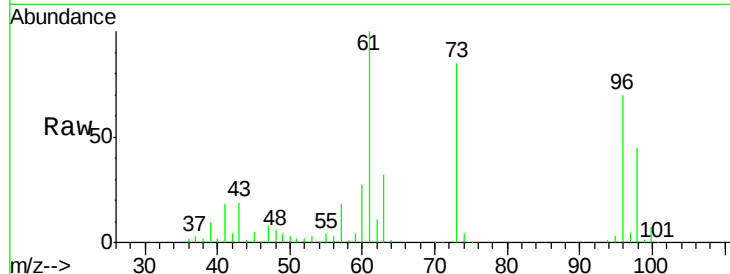
#19
Methyl tert-butyl Ether
Concen: 51.825 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion: 73 Resp: 188146
Ion Ratio Lower Upper
73 100
57 21.7 17.1 25.7

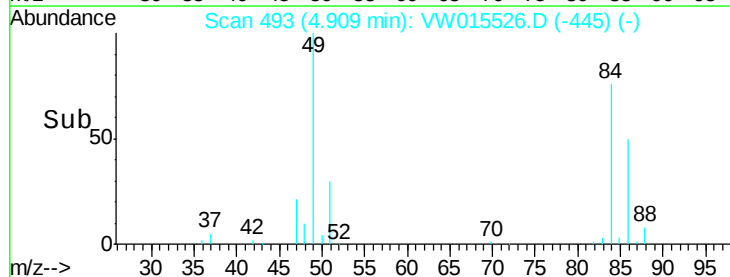
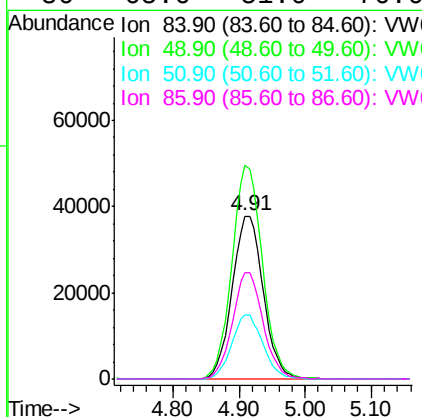
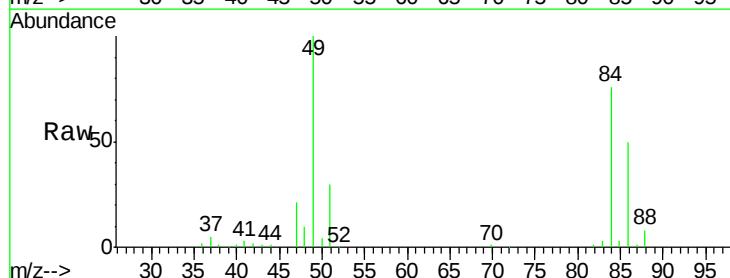
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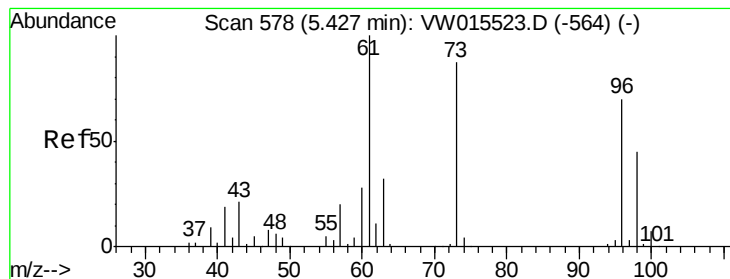
MMDadoda
6/2/2020 4:00:23 PM



#20
Methylene Chloride
Concen: 46.099 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion: 84 Resp: 123393
Ion Ratio Lower Upper
84 100
49 131.2 102.8 154.2
51 39.0 31.4 47.2
86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.536 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 96 Resp: 133759

Ion Ratio Lower Upper

96 100

61 143.1 114.3 171.5

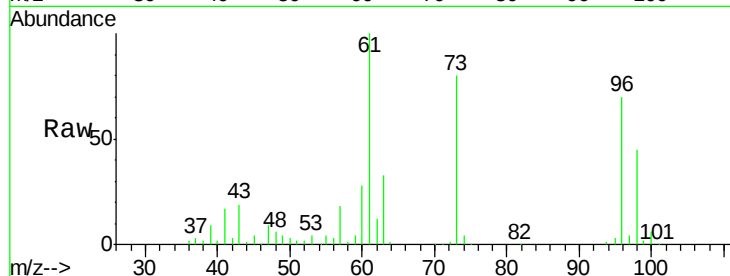
98 64.6 51.0 76.4

Manual Integrations

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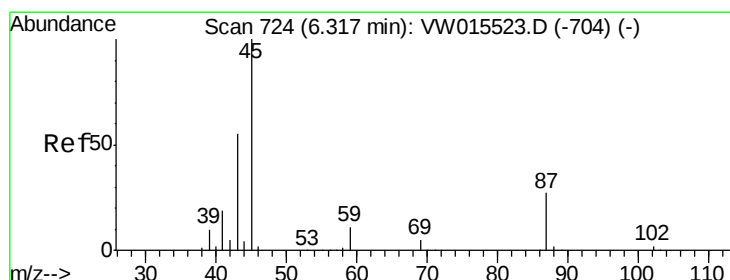
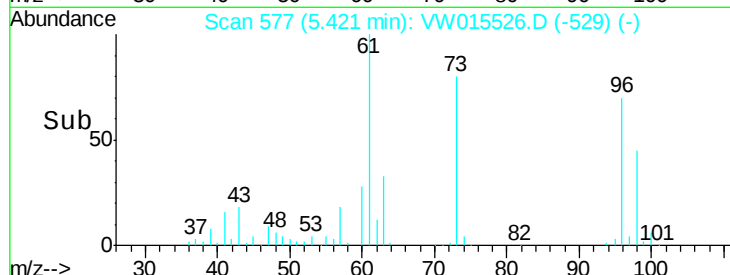
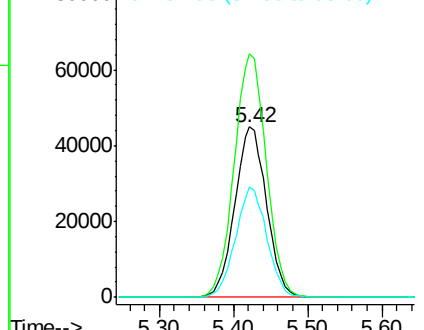


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.981 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion: 45 Resp: 383327

Ion Ratio Lower Upper

45 100

43 55.8 44.1 66.1

87 27.7 21.8 32.8

59 11.3 9.0 13.6

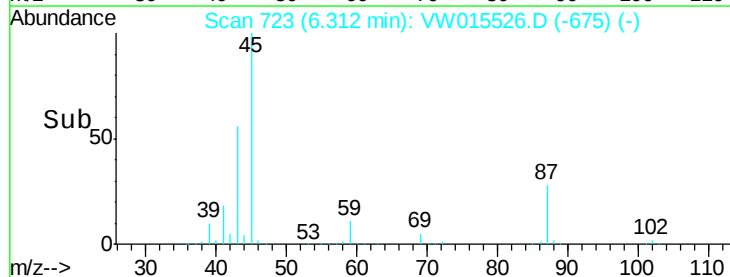
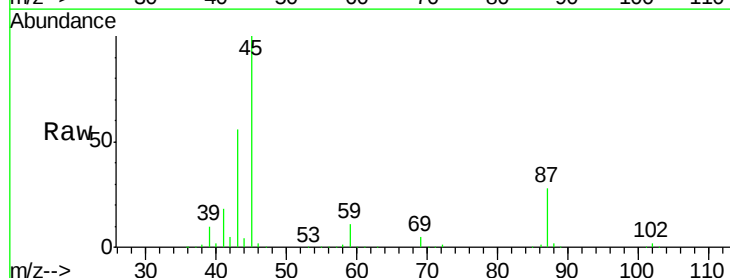
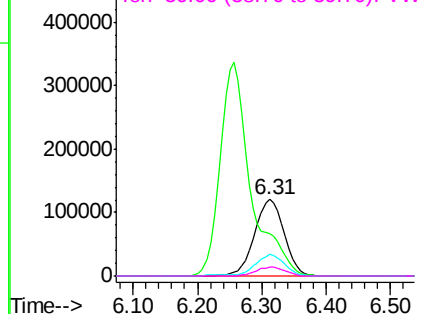
Abundance

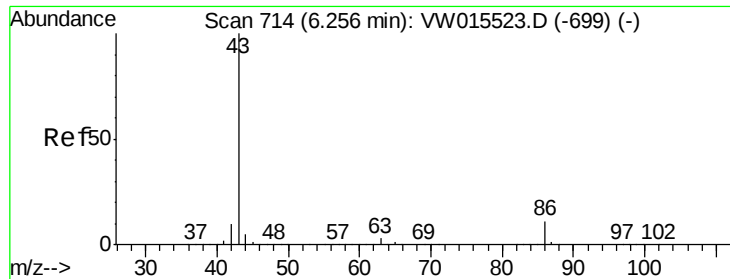
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 252.724 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 43 Resp: 1126674

Ion Ratio Lower Upper

43 100

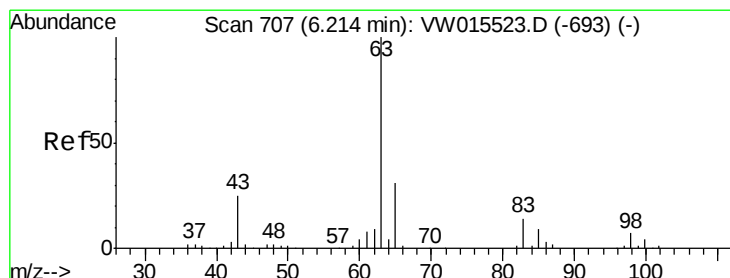
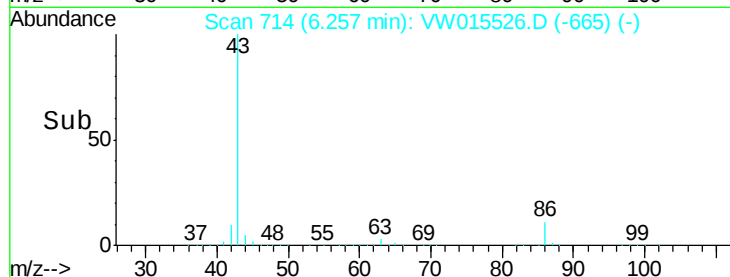
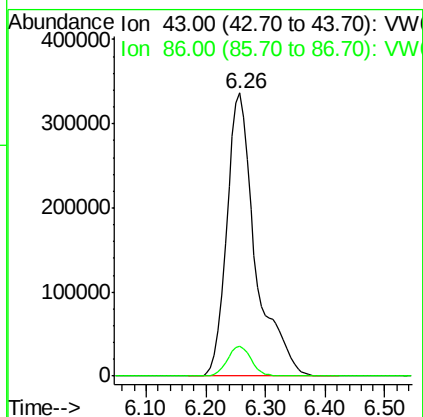
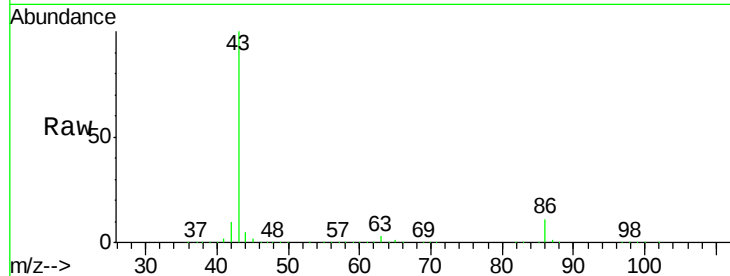
86 10.5 8.6 12.8

Manual Integrations

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6/2/2020 4:00:23 PM



#24

1,1-Dichloroethane

Concen: 49.631 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

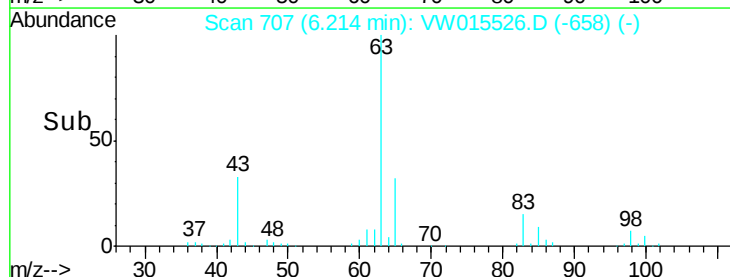
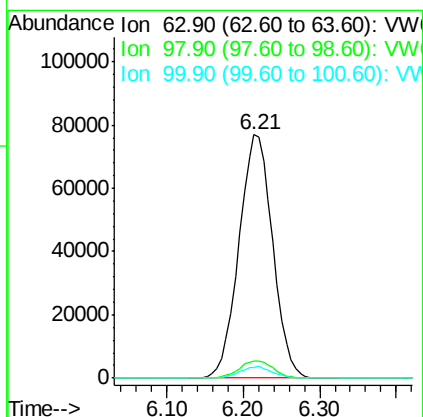
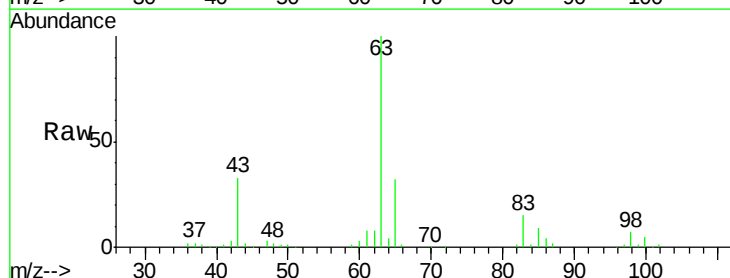
Tgt Ion: 63 Resp: 235134

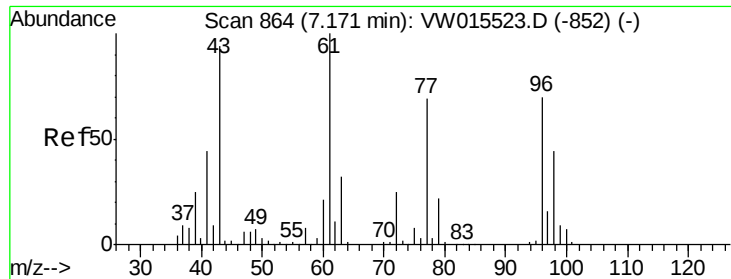
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.6 2.2 6.6





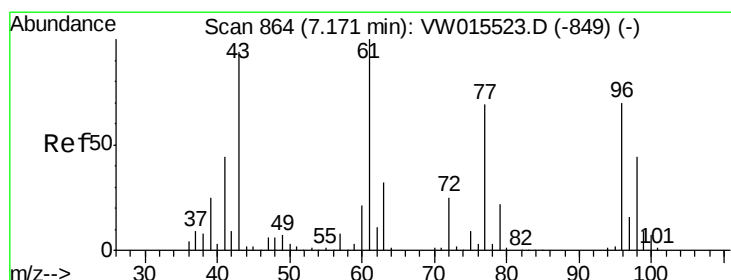
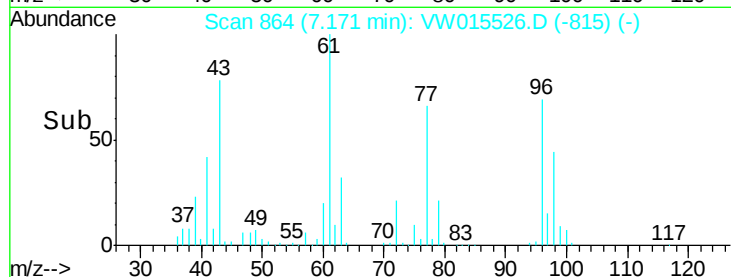
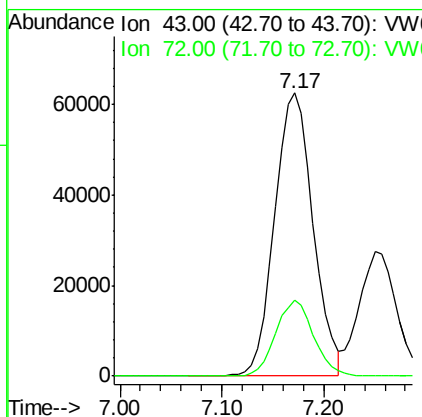
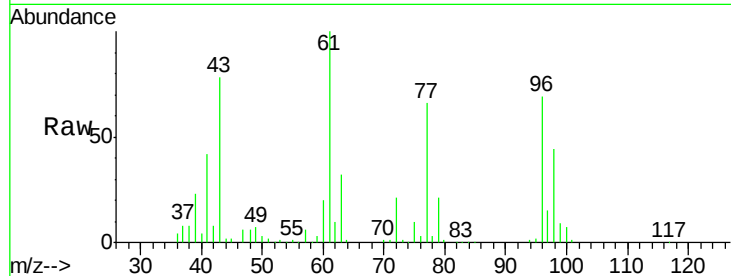
#25
2-Butanone
Concen: 237.448 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion: 43 Resp: 162973
Ion Ratio Lower Upper
43 100
72 26.8 21.0 31.4

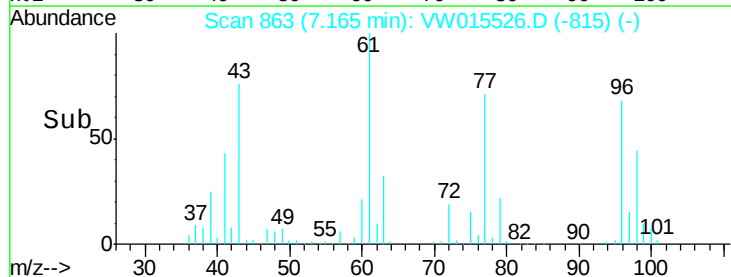
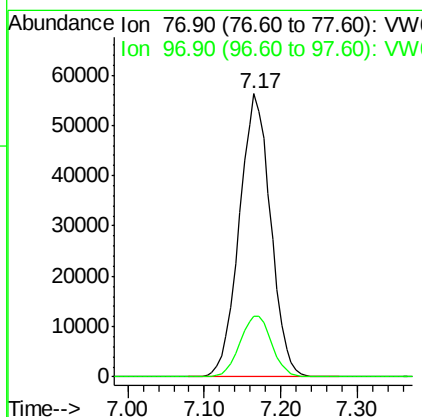
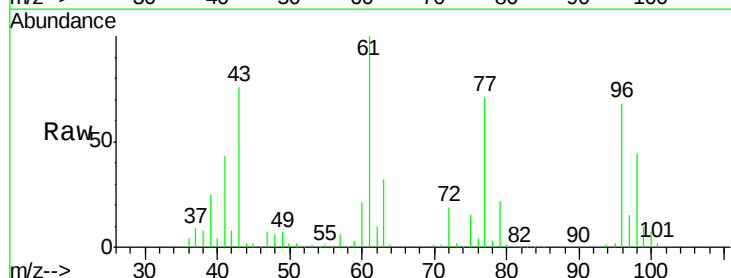
Manual Integrations
APPROVED

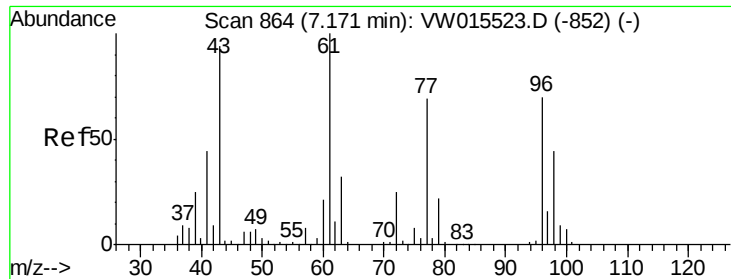
MMDadoda
6/2/2020 4:00:23 PM



#26
2,2-Dichloropropane
Concen: 48.060 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion: 77 Resp: 159917
Ion Ratio Lower Upper
77 100
97 21.8 11.1 33.3





#27

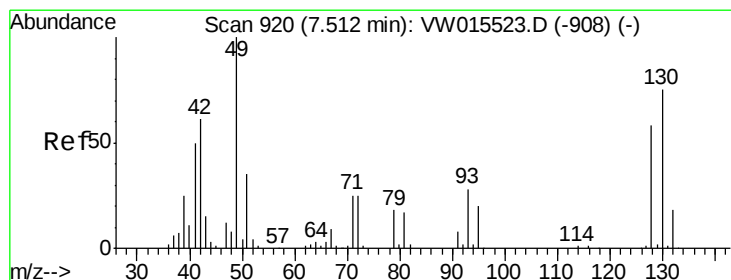
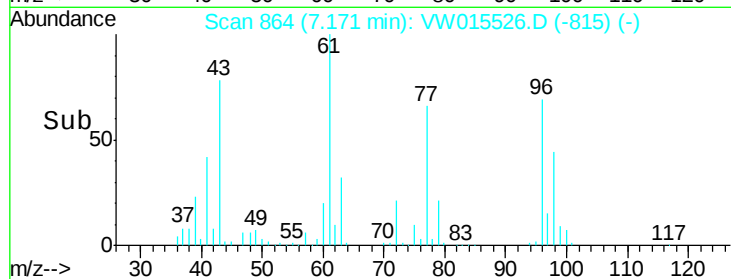
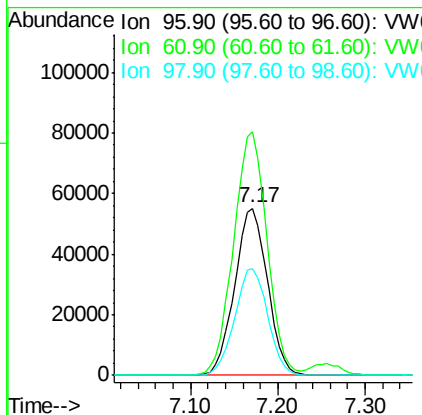
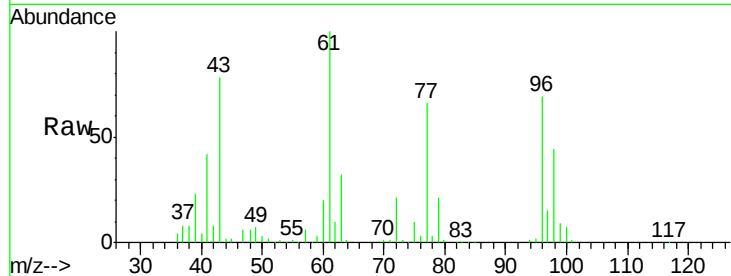
cis-1,2-Dichloroethene
Concen: 49.789 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	293.0
98	64.1	0.0	127.2

Manual Integrations
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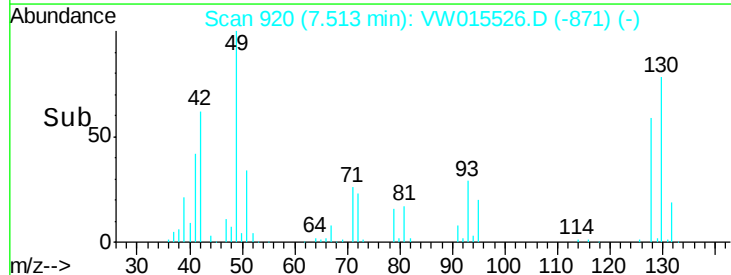
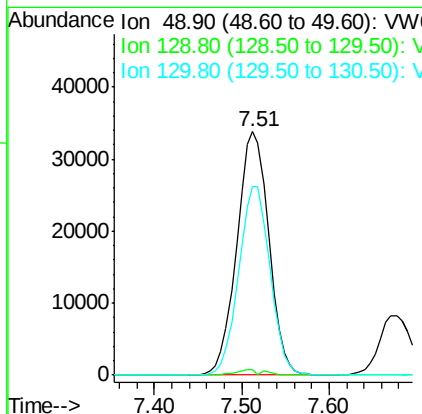
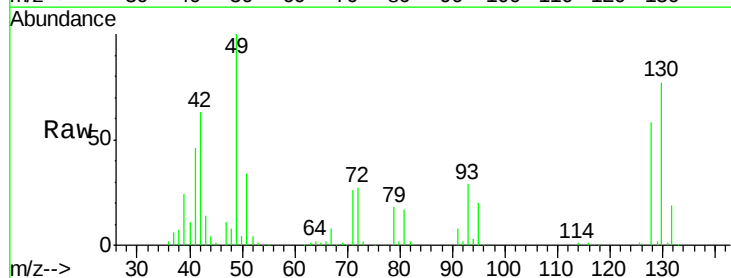
MMDadoda
6/2/2020 4:00:23 PM

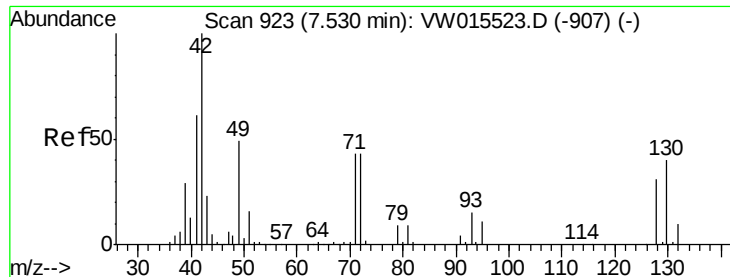


#28

Bromochloromethane
Concen: 48.359 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.0
130	75.9	59.7	89.5





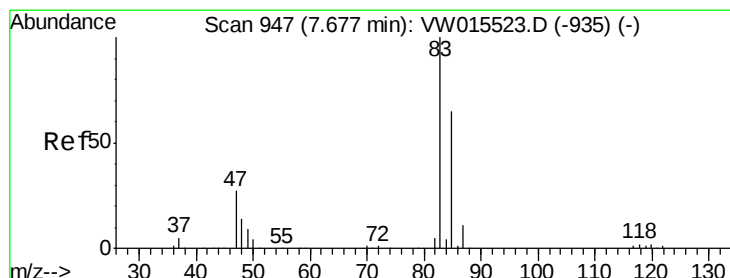
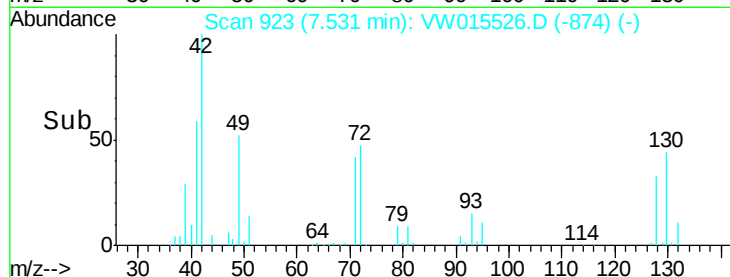
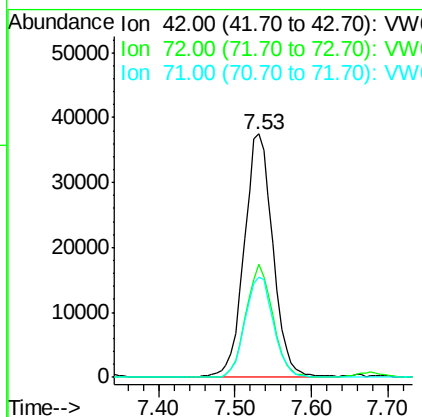
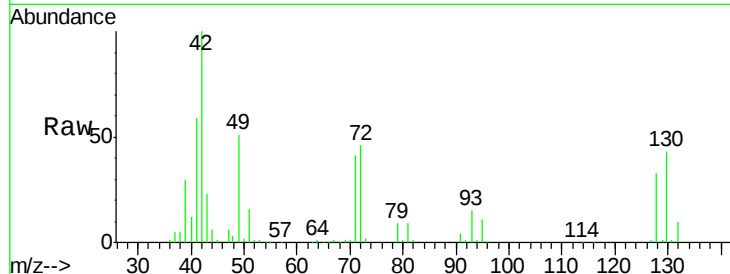
#29
Tetrahydrofuran
Concen: 239.011 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.8	52.2
71	41.4	33.3	49.9

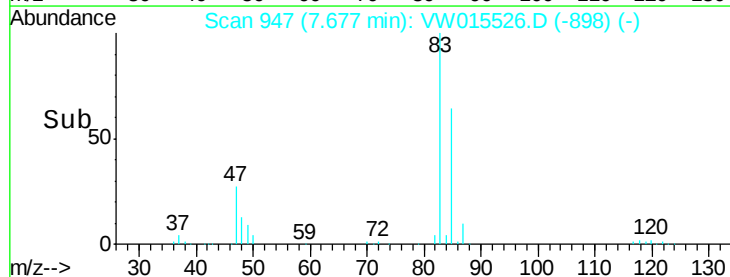
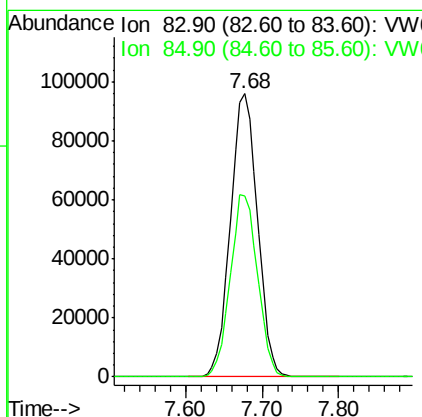
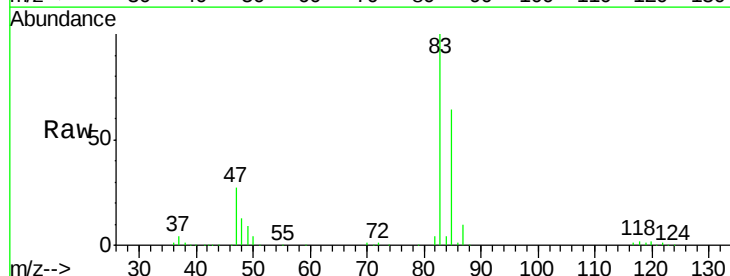
Manual Integrations
APPROVED

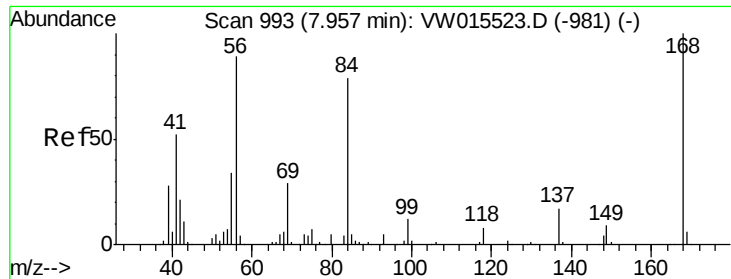
MMDadoda
6/2/2020 4:00:23 PM



#30
Chloroform
Concen: 49.383 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





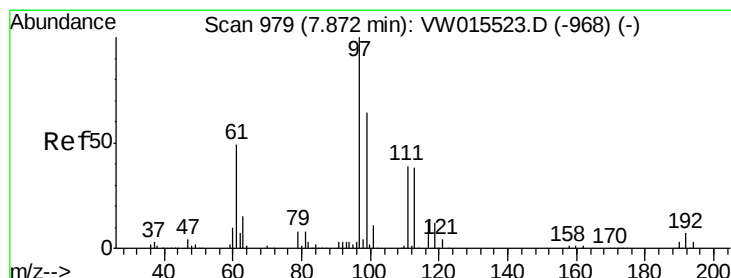
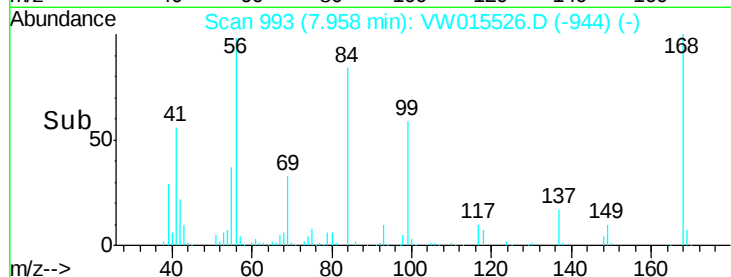
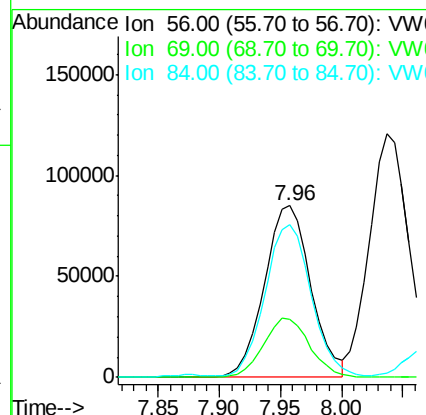
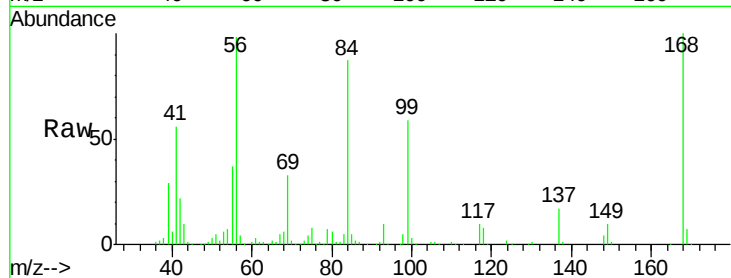
#31
Cyclohexane
Concen: 48.596 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.3	39.5
84	87.3	71.0	106.4

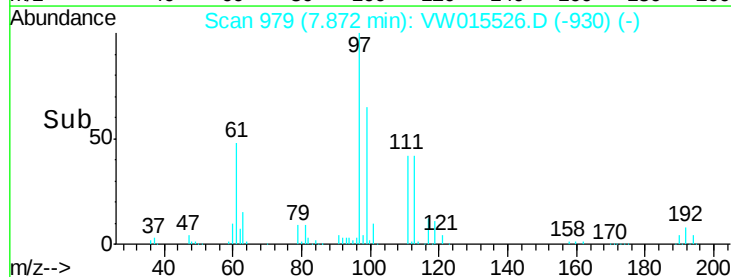
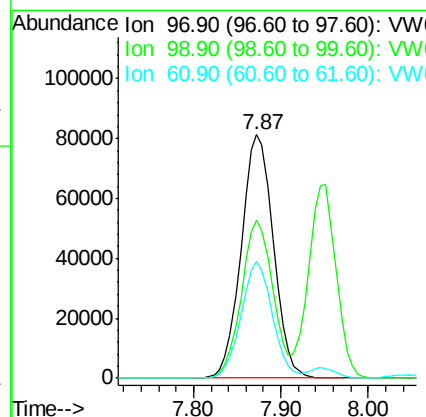
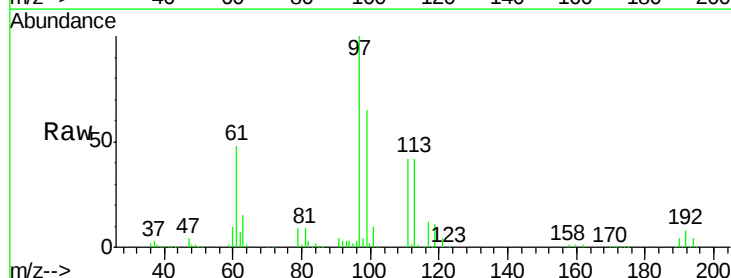
Manual Integrations
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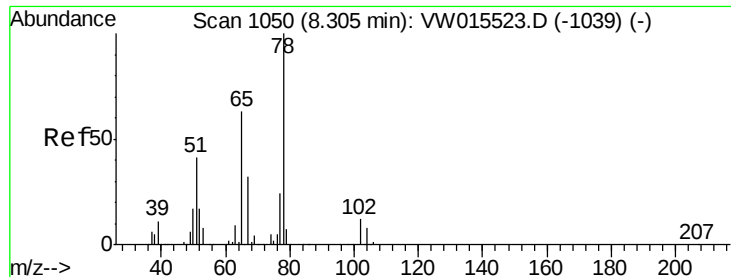
MMDadoda
6/2/2020 4:00:23 PM



#32
1,1,1-Trichloroethane
Concen: 50.441 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	46.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 47.614 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 65 Resp: 121769

Ion Ratio Lower Upper

65 100

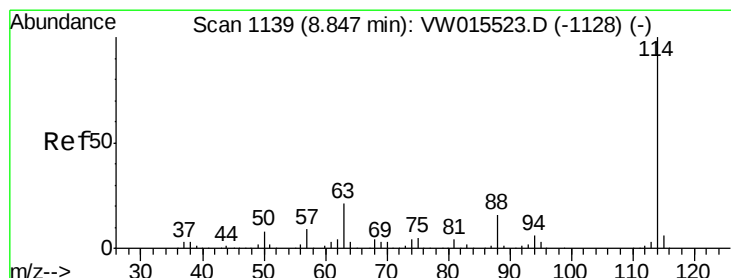
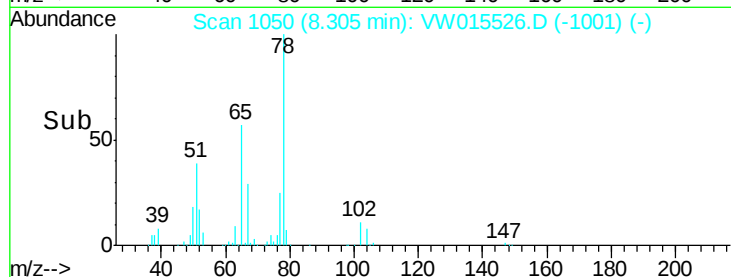
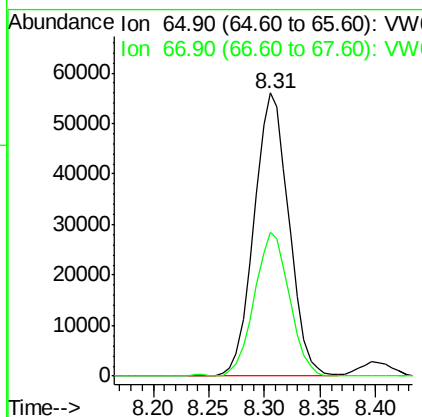
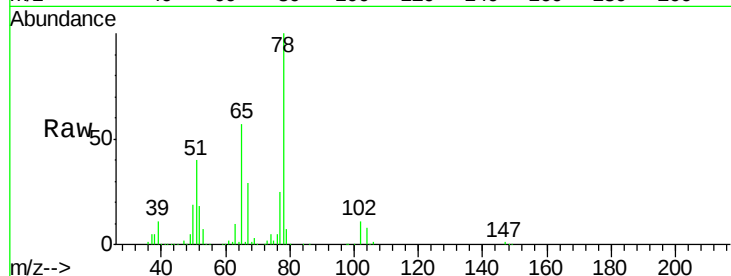
67 51.0 0.0 100.8

Manual Integrations

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6/2/2020 4:00:23 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

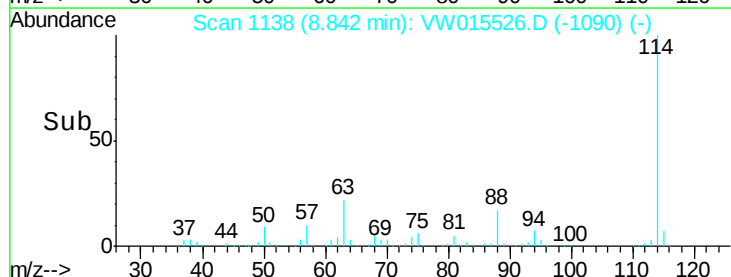
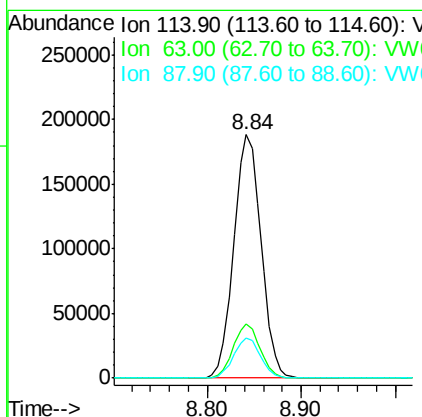
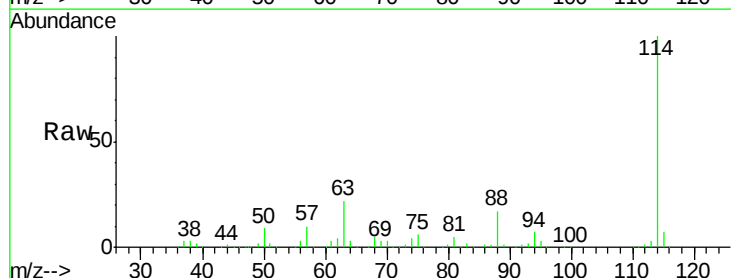
Tgt Ion: 114 Resp: 376737

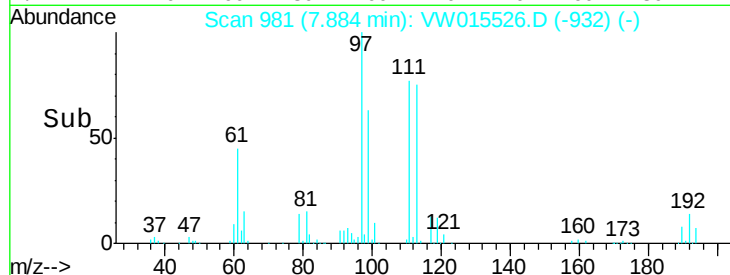
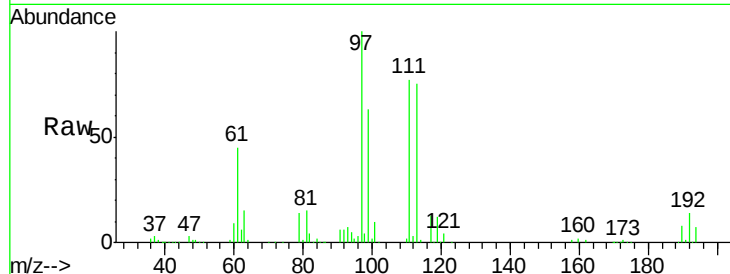
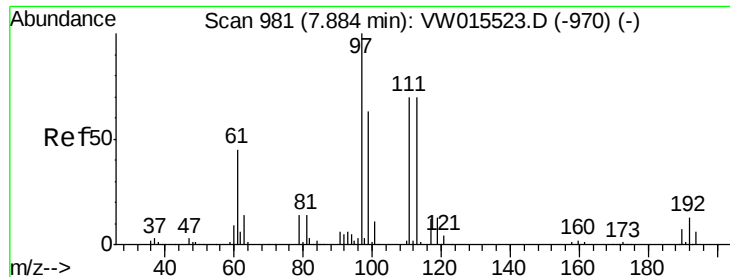
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.0

88 16.6 0.0 31.8





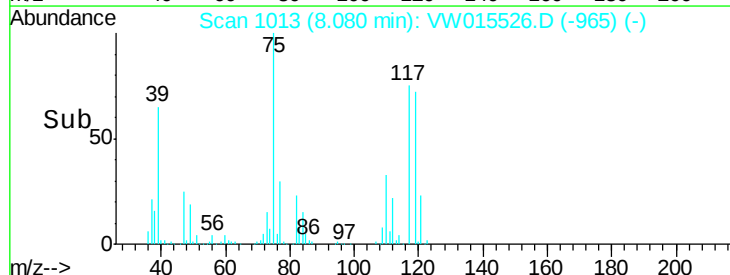
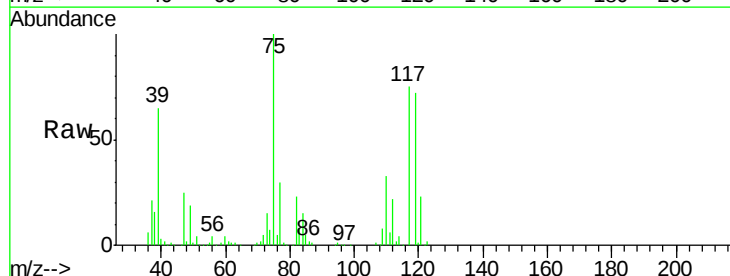
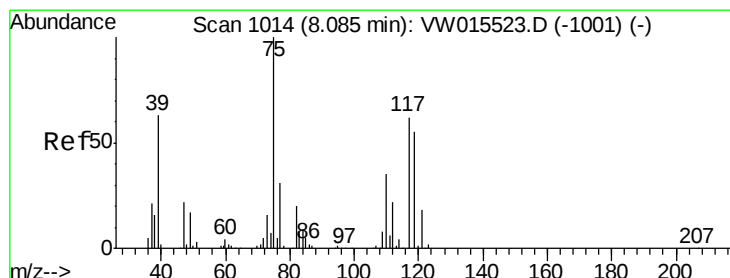
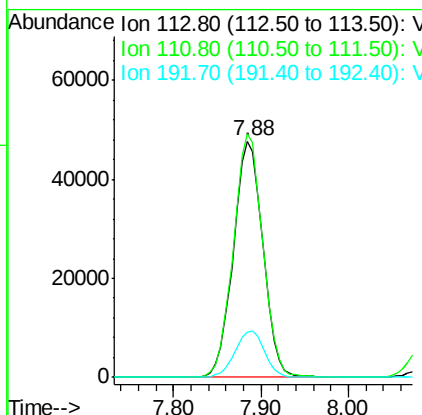
#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112126		
111	102.5	83.3	124.9	
192	19.7	15.8	23.6	

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

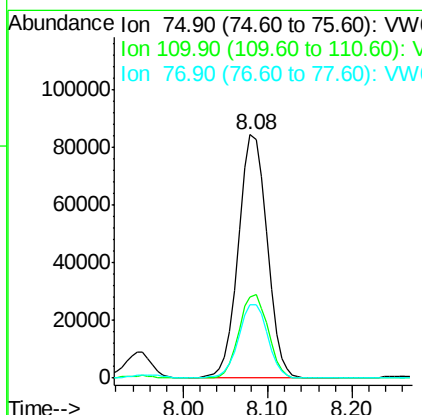
Manual Integrations
APPROVED

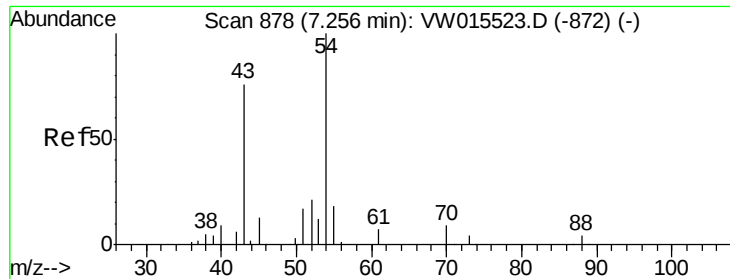
MMDadoda
6/2/2020 4:00:23 PM



#36
1,1-Dichloropropene
Concen: 50.936 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194156		
110	34.5	17.2	51.6	
77	30.8	25.0	37.4	





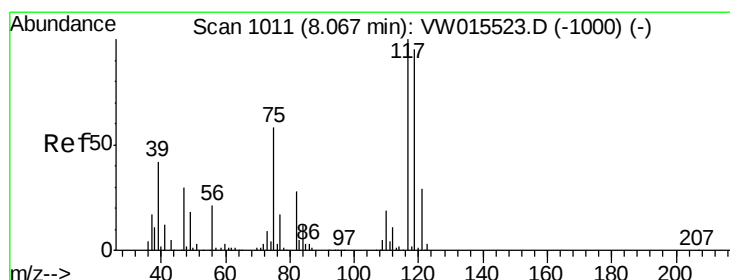
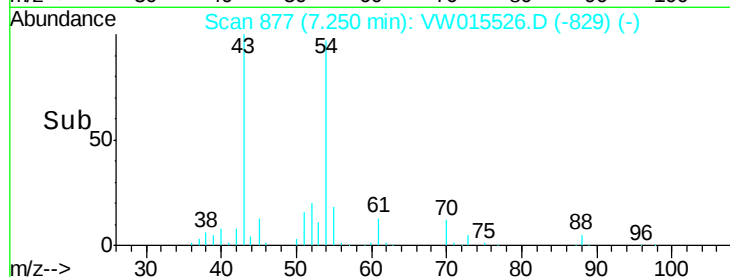
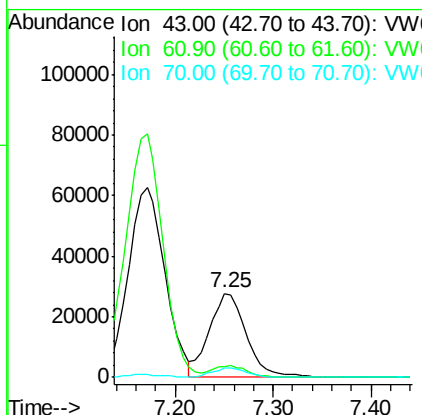
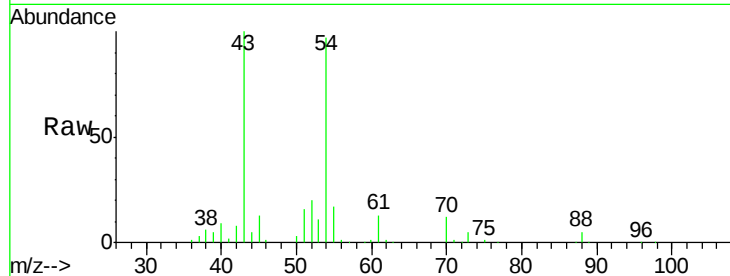
#37
Ethyl Acetate
Concen: 48.458 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	10.8	8.4	12.6

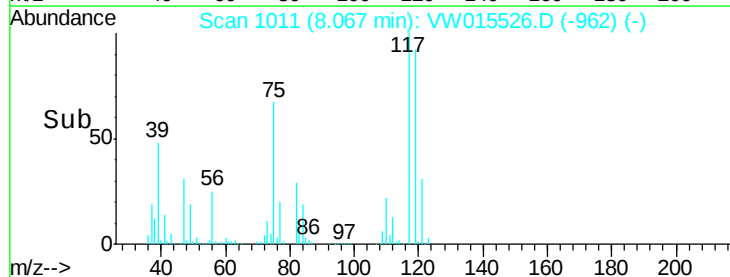
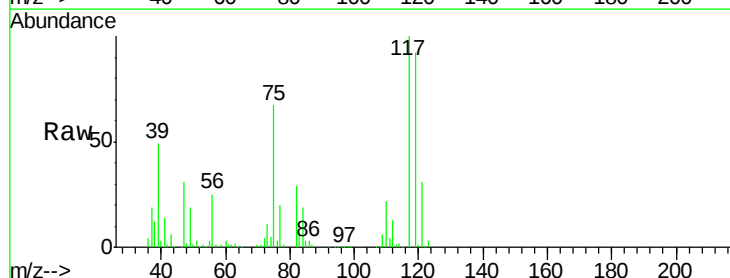
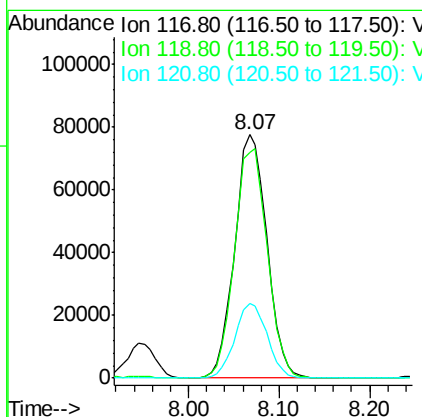
Manual Integrations
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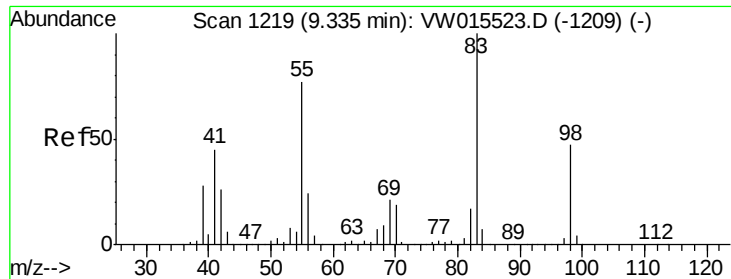
MMDadoda
6/2/2020 4:00:23 PM



#38
Carbon Tetrachloride
Concen: 51.297 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.9	113.9
121	30.8	23.5	35.3





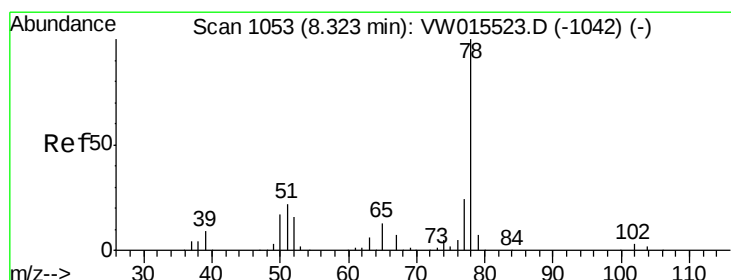
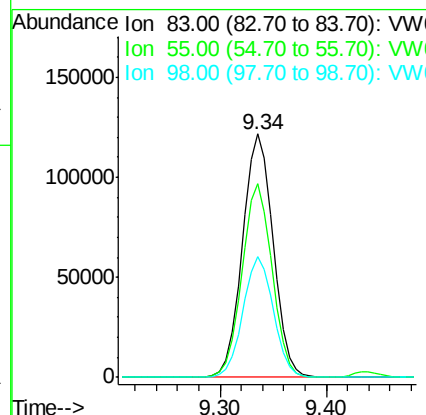
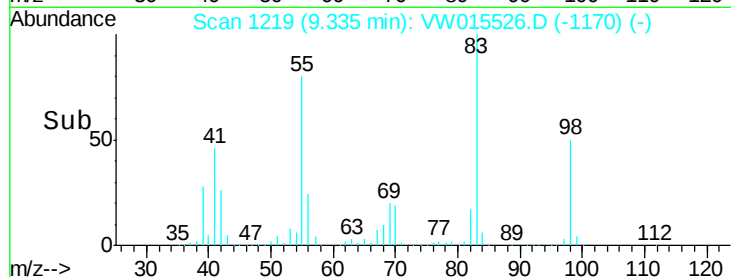
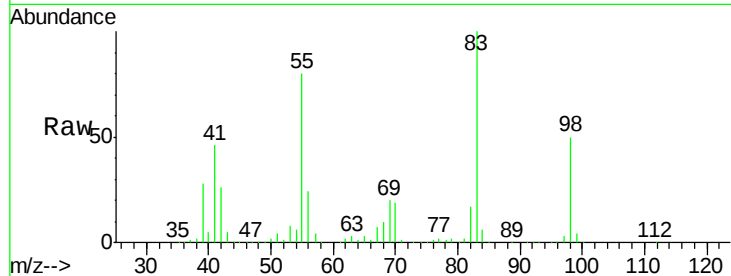
#39
Methvlcvclohexane
Concen: 52.370 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	83	Resp	246182
Ion Ratio	100	Lower	Upper
83	100		
55	79.8	61.7	92.5
98	49.5	37.7	56.5

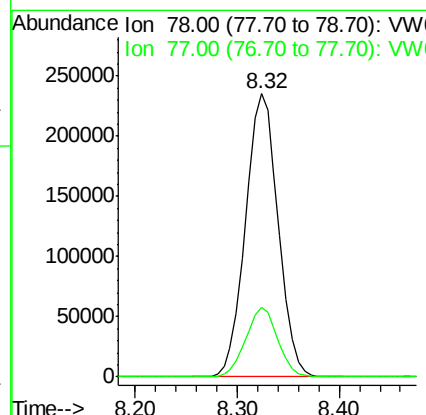
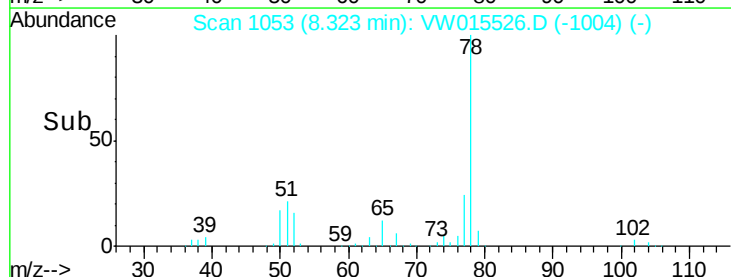
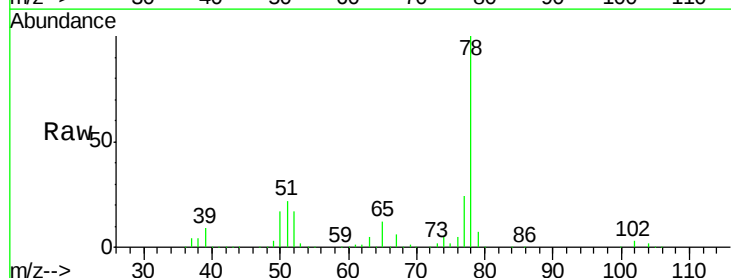
Manual Integrations
APPROVED

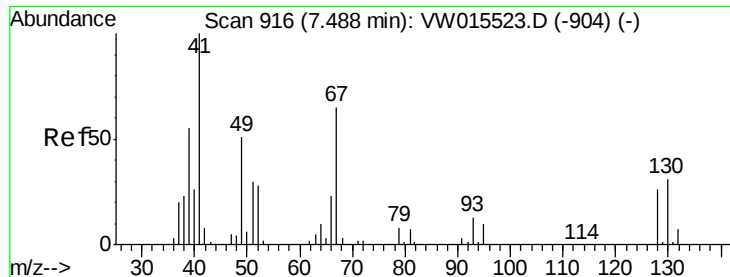
MMDadoda
6/2/2020 4:00:23 PM



#40
Benzene
Concen: 50.733 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	78	Resp	521846
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	19.2	28.8





#41

Methacrylonitrile

Concen: 48.331 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 41 Resp: 41068

Ion Ratio Lower Upper

41 100

39 63.0 44.5 66.7

67 71.9 53.1 79.7

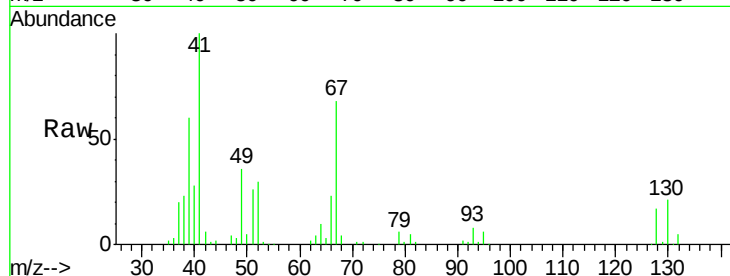
52 31.9 23.5 35.3

Manual Integrations

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6/2/2020 4:00:23 PM

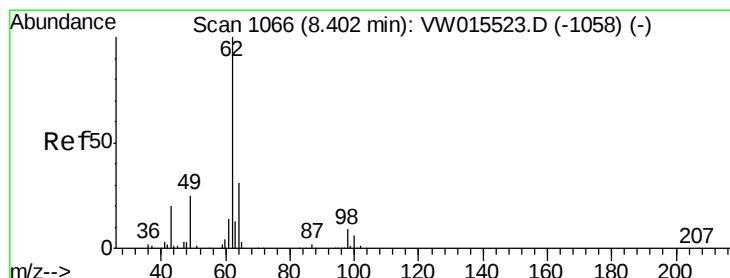
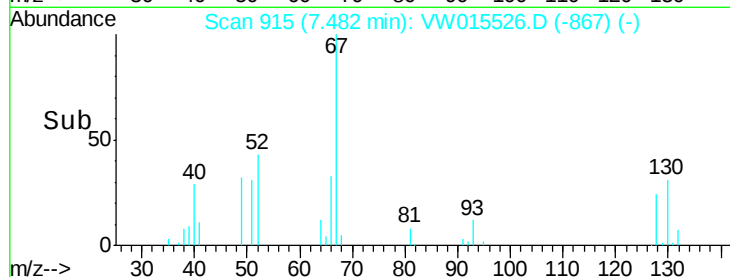
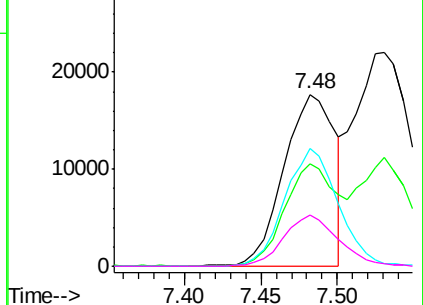


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 49.956 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015526.D

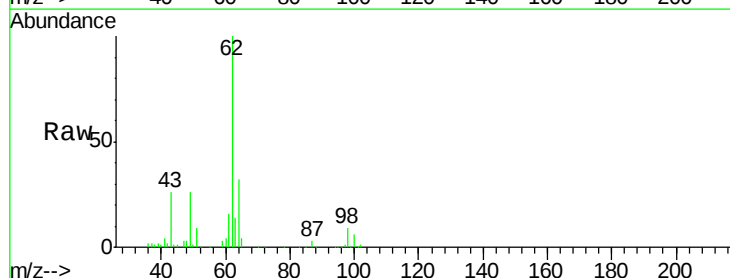
Acq: 02 Jun 2020 14:07

Tgt Ion: 62 Resp: 156835

Ion Ratio Lower Upper

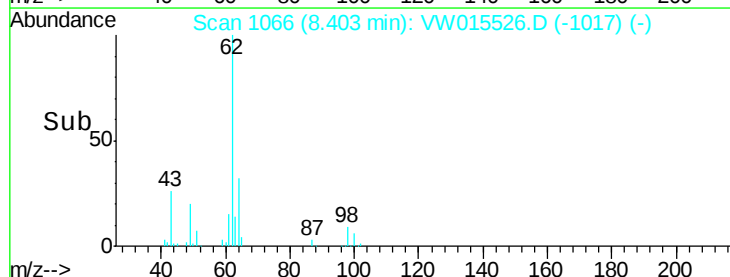
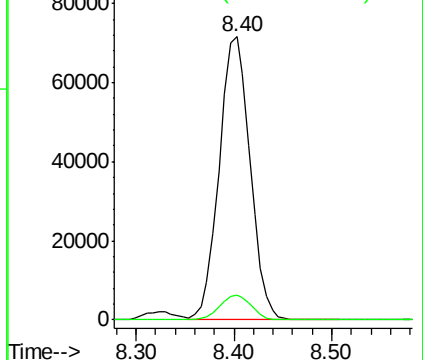
62 100

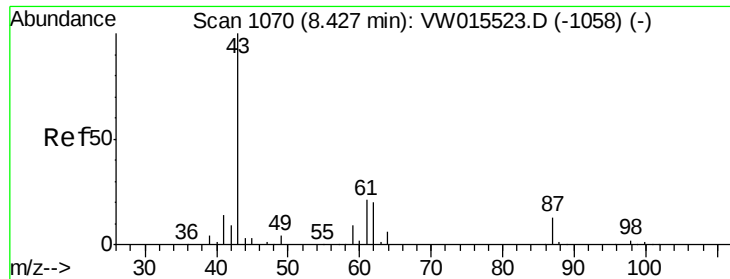
98 8.7 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.139 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

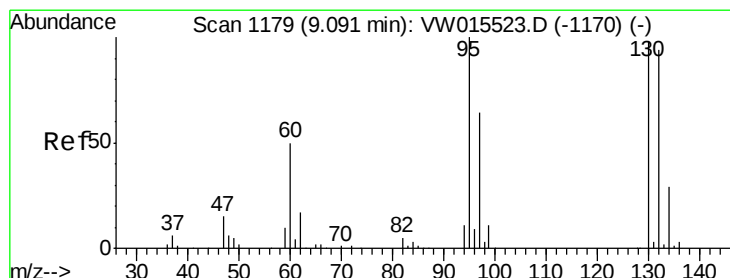
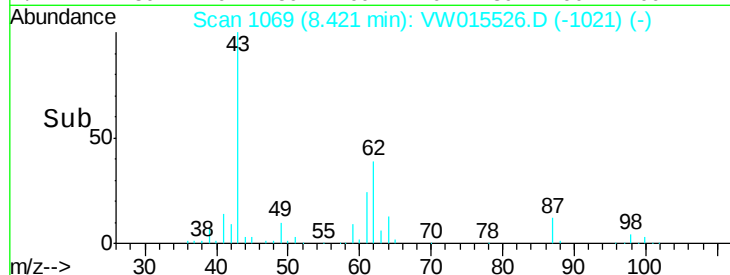
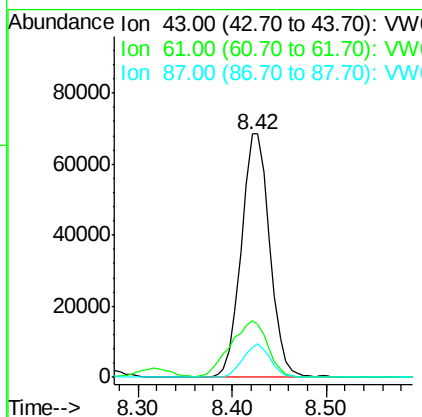
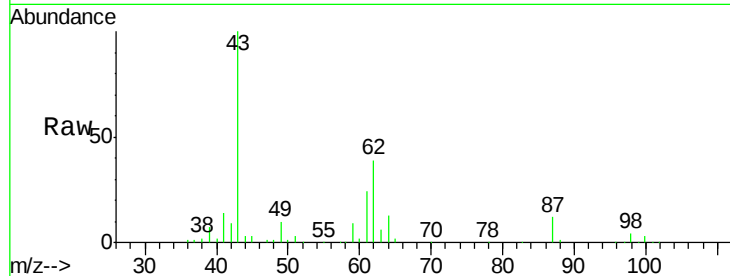
ClientSampleId :

ICVW062220

Tot Ion:	43	Resp:	144414
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.8	35.8
87	13.0	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
6/2/2020 4:00:23 PM



#44

Trichloroethene

Concen: 50.868 ug/l

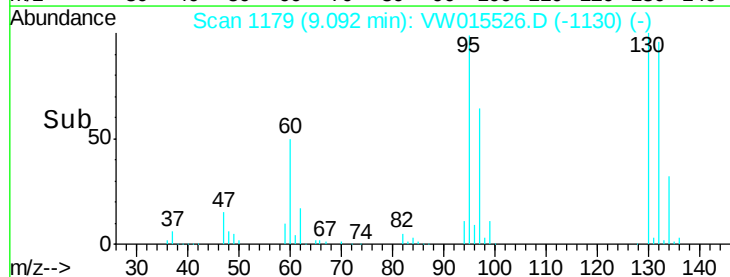
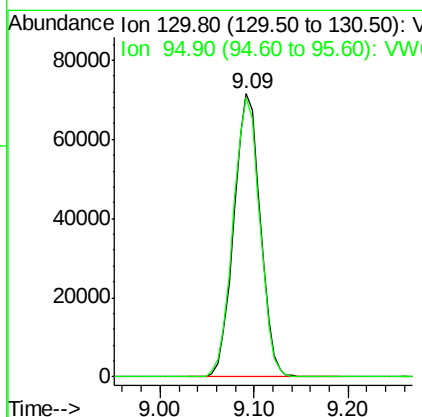
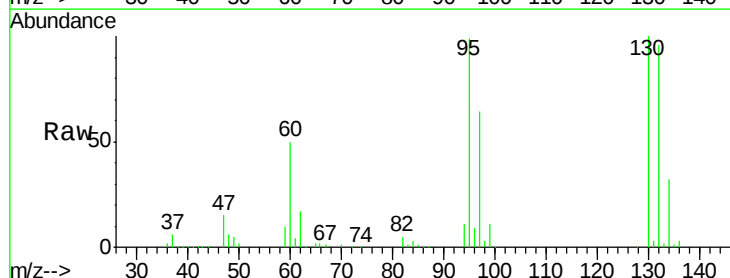
RT: 9.09 min Scan# 1179

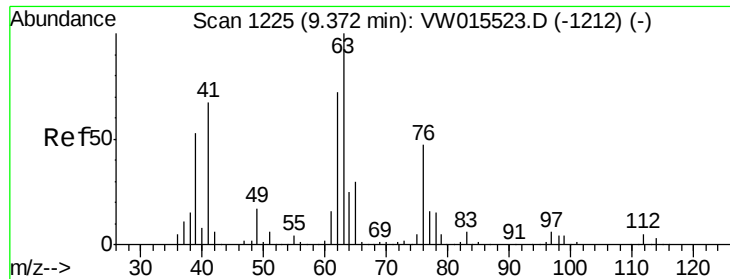
Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion:	130	Resp:	139623
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	204.0





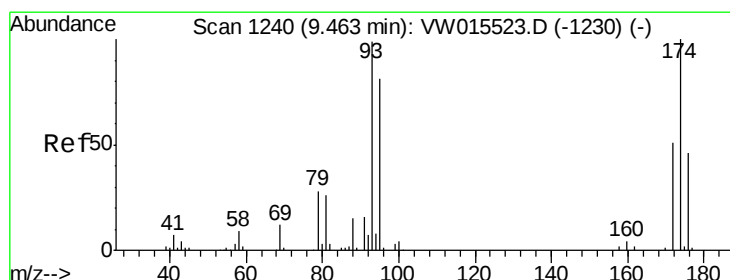
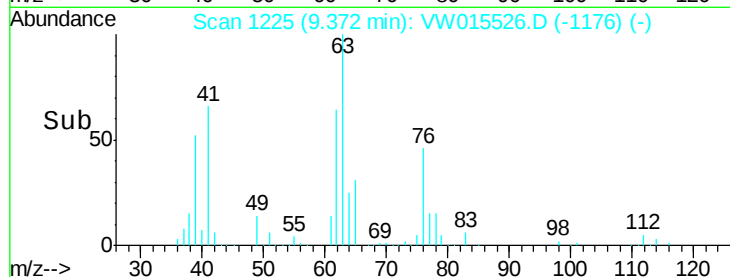
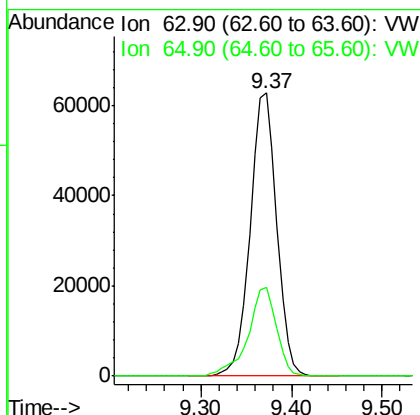
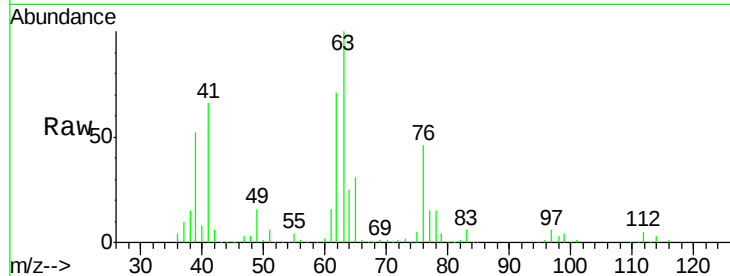
#45
 1,2-Dichloropropane
 Concen: 50.588 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.0	36.0

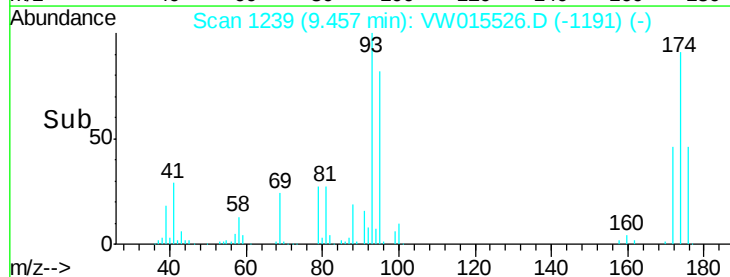
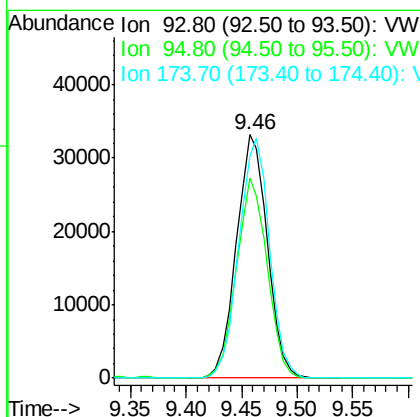
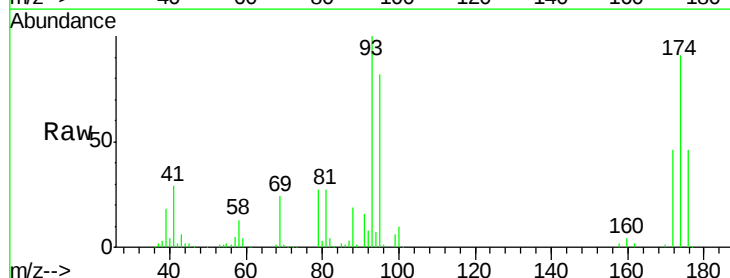
Manual Integrations
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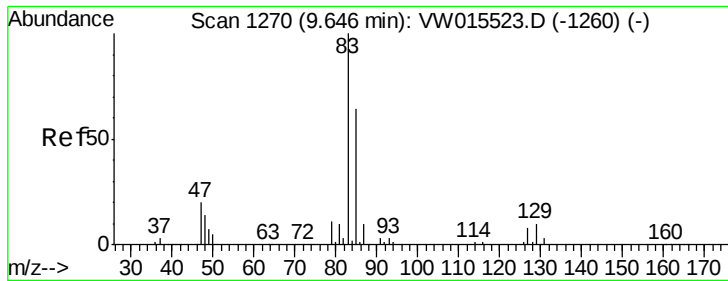
MMDadoda
 6/2/2020 4:00:23 PM



#46
 Dibromomethane
 Concen: 49.825 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.1	97.7
174	98.3	78.6	118.0





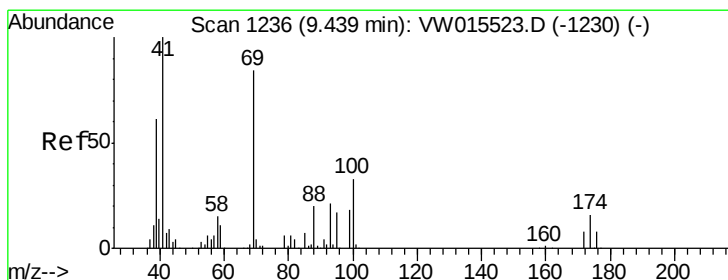
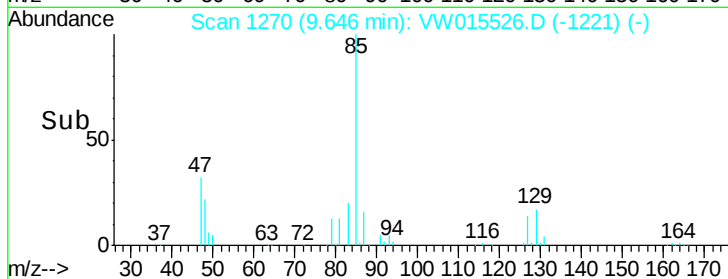
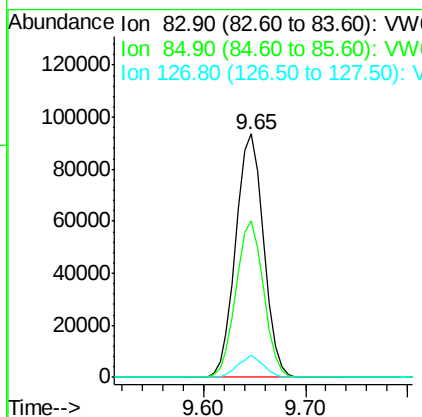
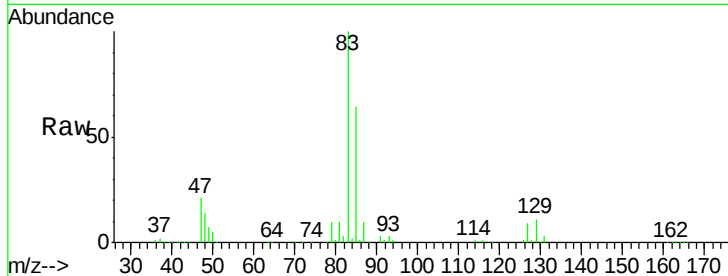
#47
 Bromodichloromethane
 Concen: 51.021 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	83	Resp	176851
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.0	6.4	9.6

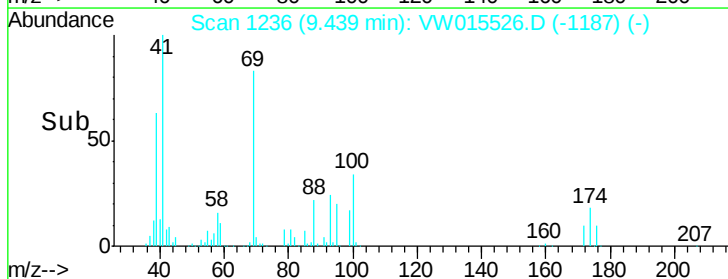
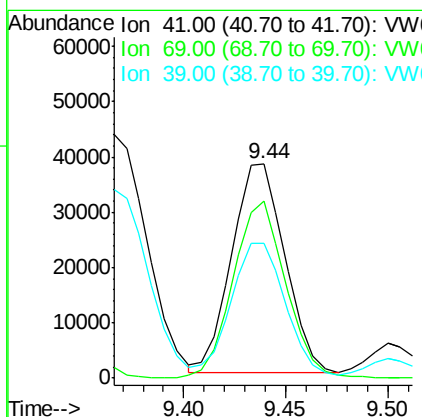
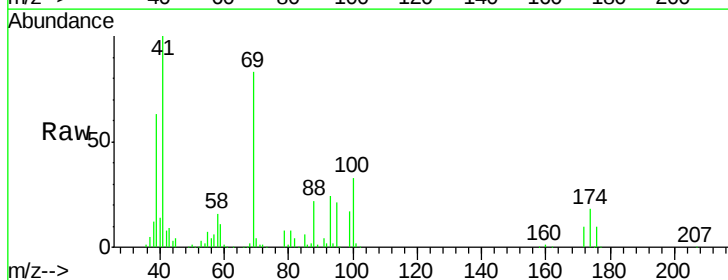
Manual Integrations
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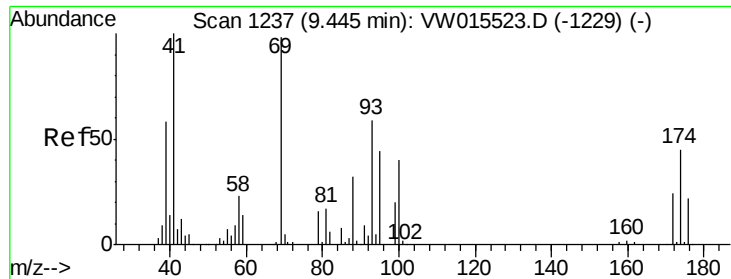
MMDadoda
 6/2/2020 4:00:23 PM



#48
 Methyl methacrylate
 Concen: 50.860 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	41	Resp	68324
Ion Ratio	100	Lower	Upper
41	100		
69	83.9	67.8	101.8
39	63.8	50.2	75.2





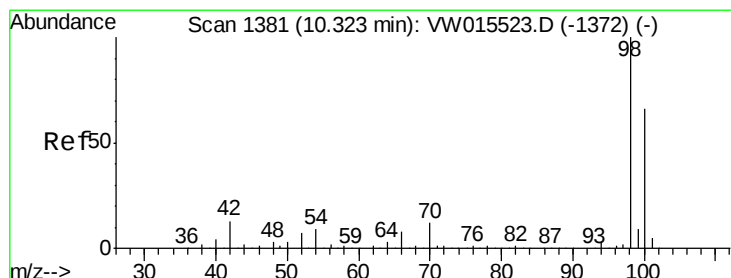
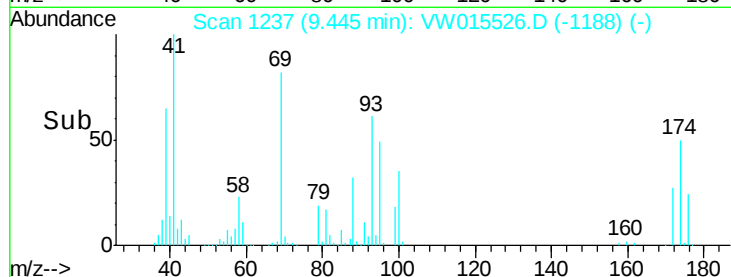
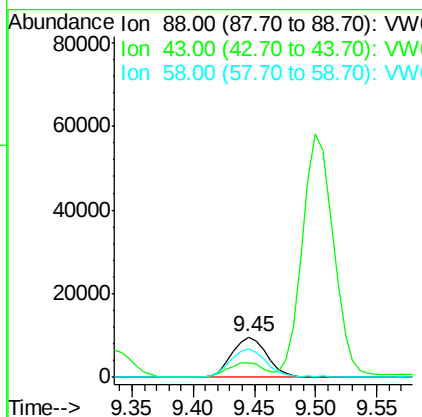
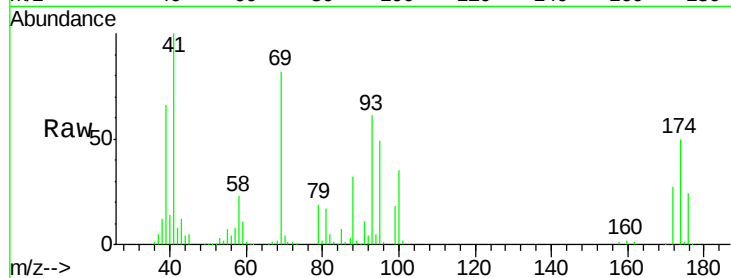
#49
1,4-Dioxane
Concen: 890.963 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.9	41.9
58	71.1	58.8	88.2

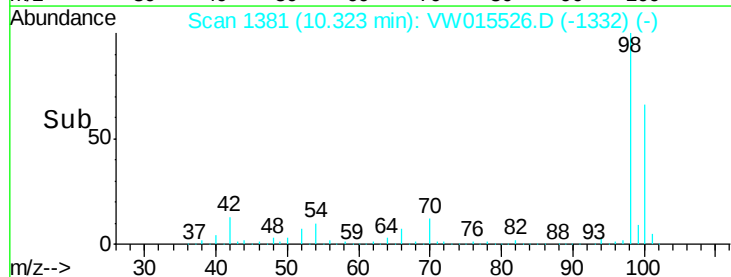
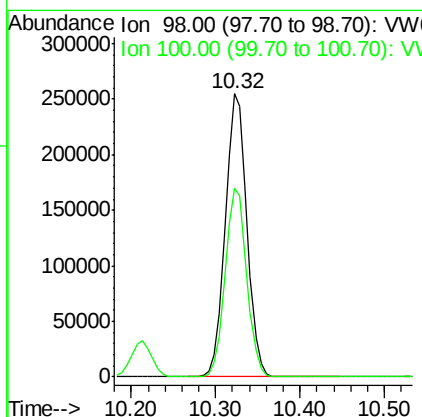
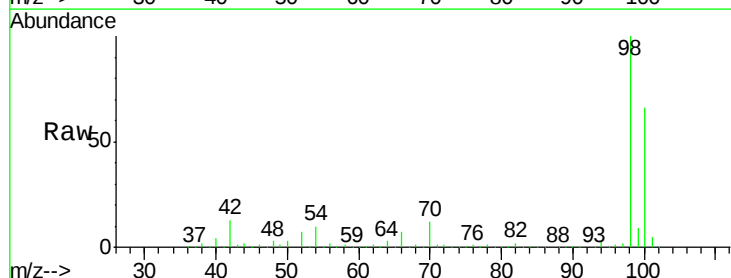
Manual Integrations
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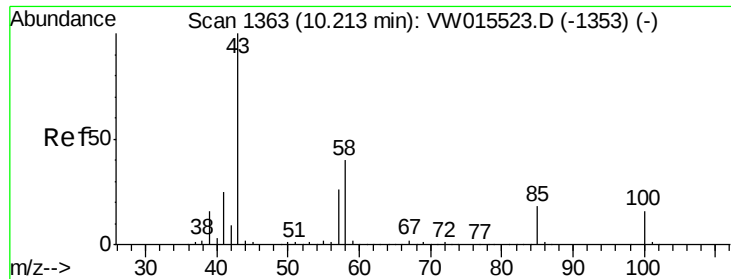
MMDadoda
6/2/2020 4:00:23 PM



#50
Toluene-d8
Concen: 49.755 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





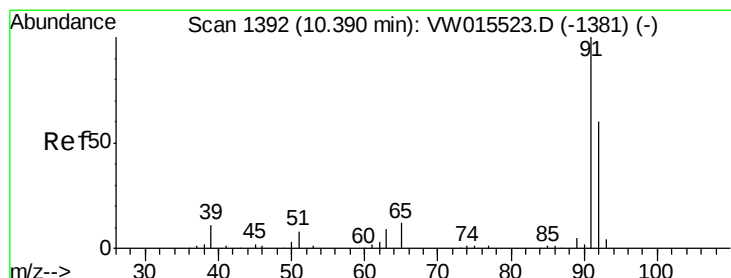
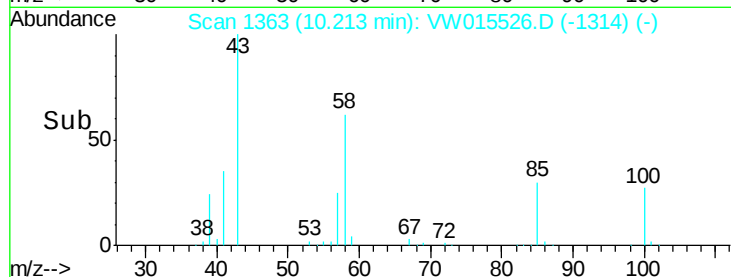
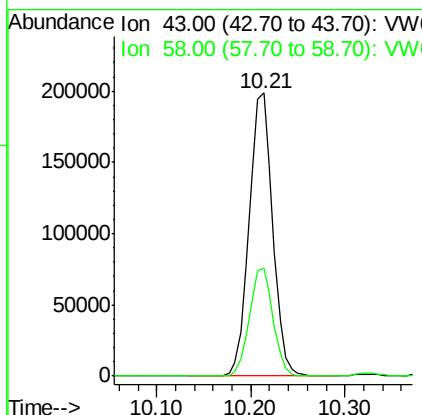
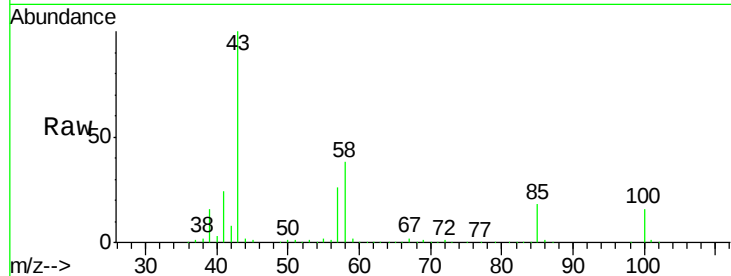
#51
4-Methyl-2-Pentanone
Concen: 250.035 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampled :
ICVW062220

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	38.4		31.4	47.0	

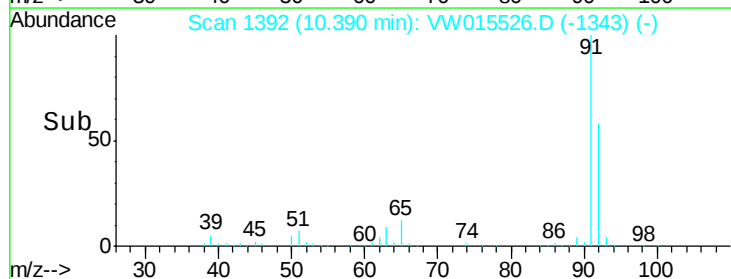
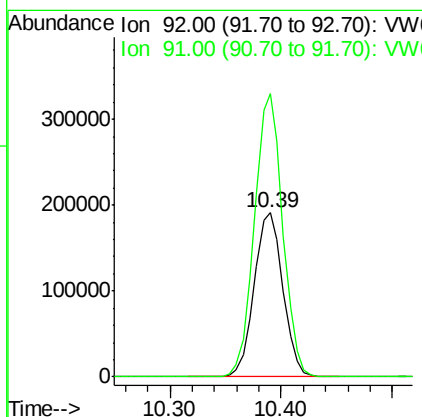
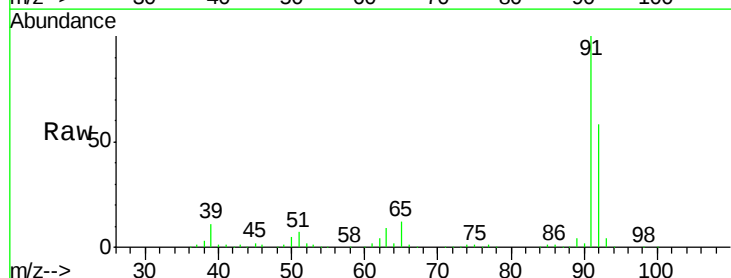
Manual Integrations
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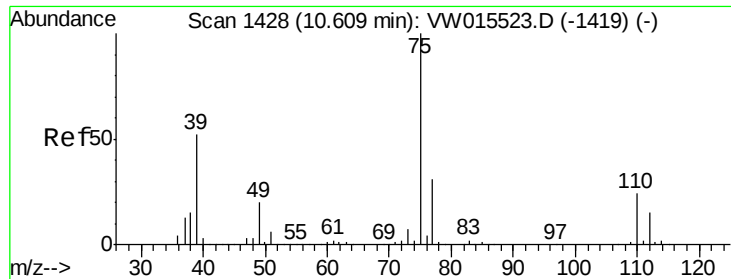
MMDadoda
6/2/2020 4:00:23 PM



#52
Toluene
Concen: 51.634 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	169.5		136.5	204.7	





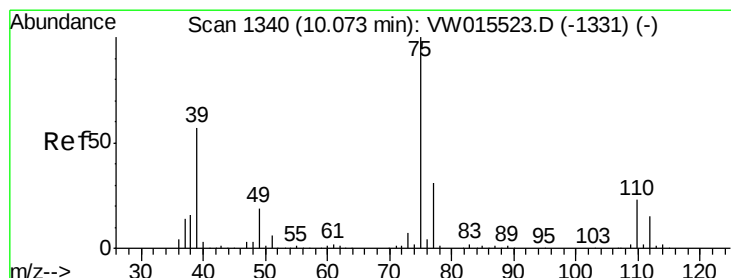
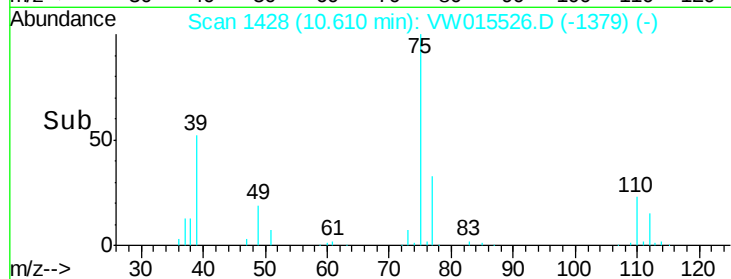
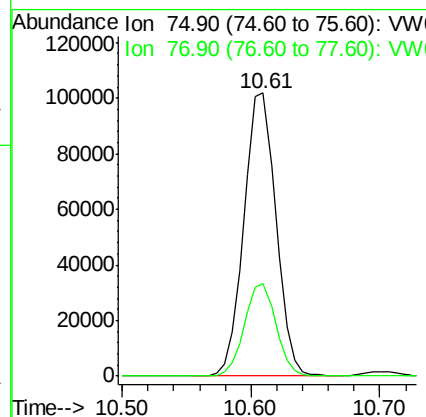
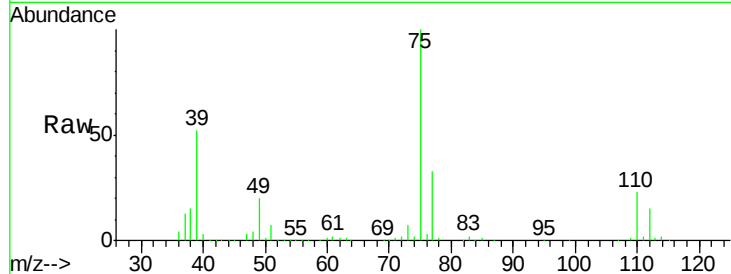
#53
 t-1,3-Dichloropropene
 Concen: 51.346 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.4

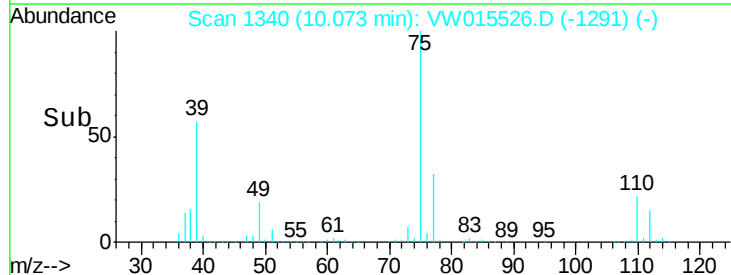
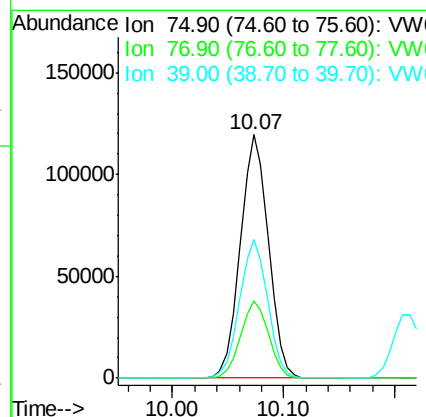
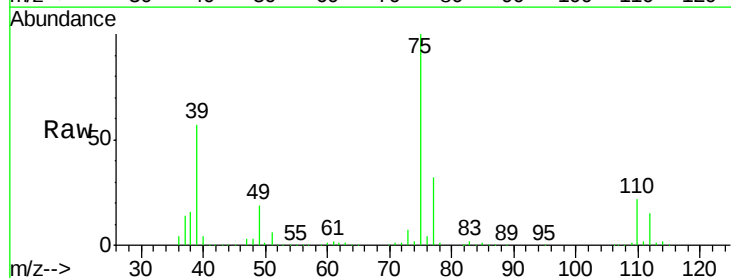
Manual Integrations
 APPROVED

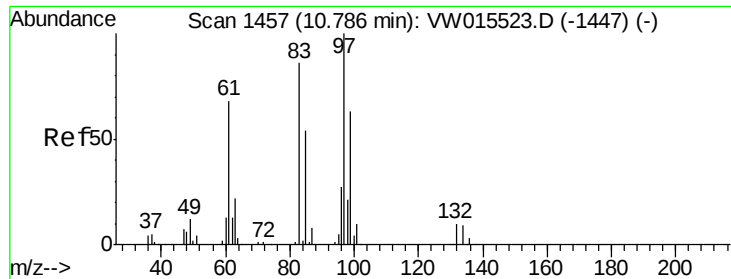
MMDadoda
 6/2/2020 4:00:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.833 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	56.9	45.4	68.2





#55

1,1,2-Trichloroethane

Concen: 49.643 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

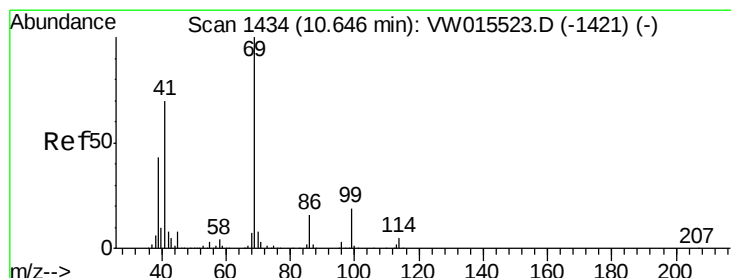
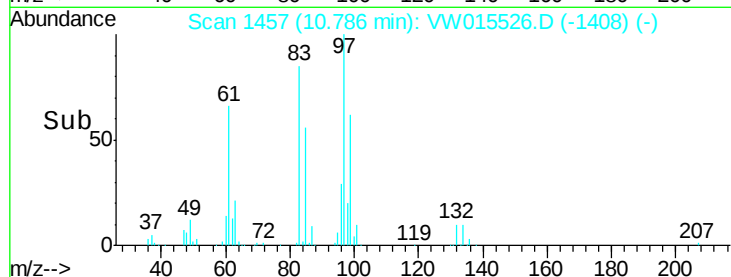
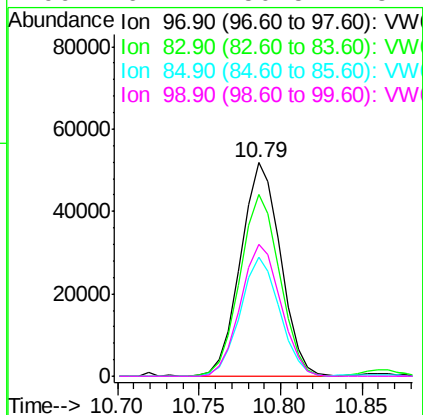
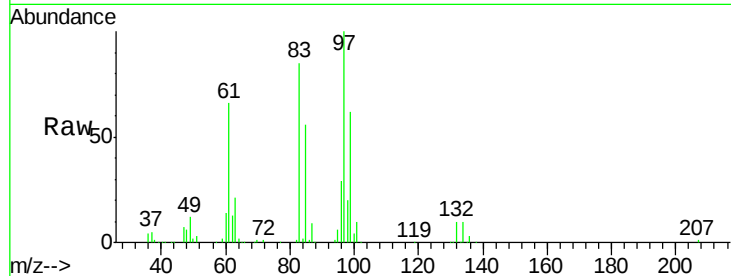
ClientSampleId :

ICVW062220

Tot Ion:	97	Resp:	88765
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.6	102.8
85	55.8	43.2	64.8
99	61.7	50.5	75.7

Manual Integrations
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MMDadoda
6/2/2020 4:00:23 PM



#56

Ethyl methacrylate

Concen: 50.838 ug/l

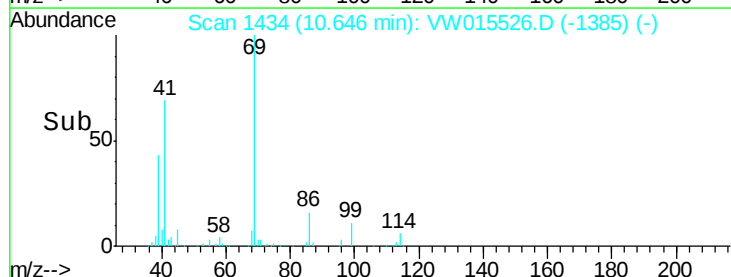
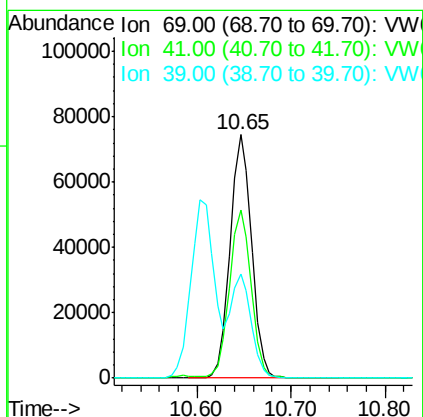
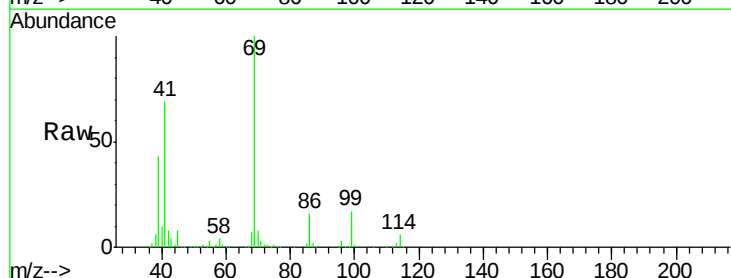
RT: 10.65 min Scan# 1434

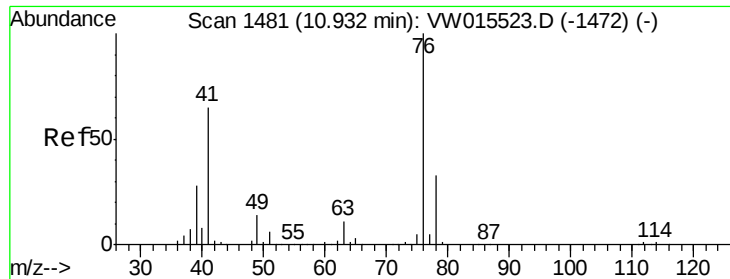
Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion:	69	Resp:	118237
Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.2	84.4
39	40.9	33.3	49.9





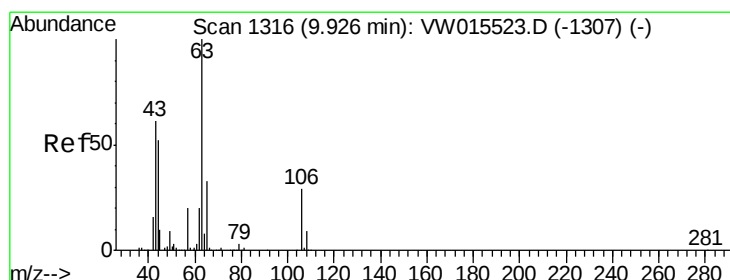
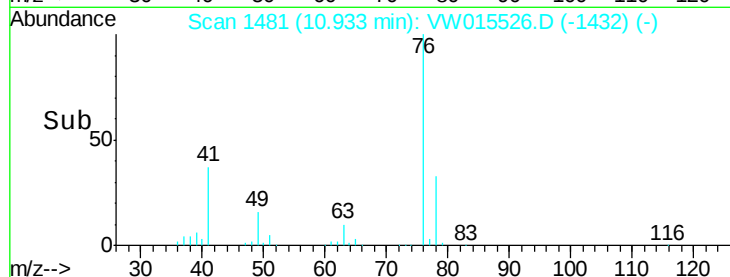
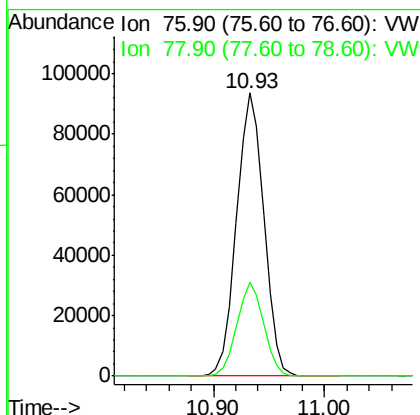
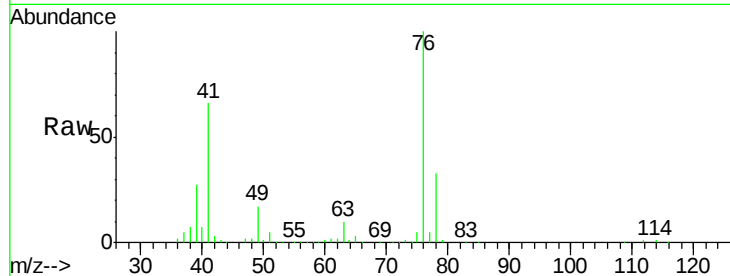
#57
 1,3-Dichloropropane
 Concen: 50.193 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW062220

Tot Ion: 76 Resp: 158927
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

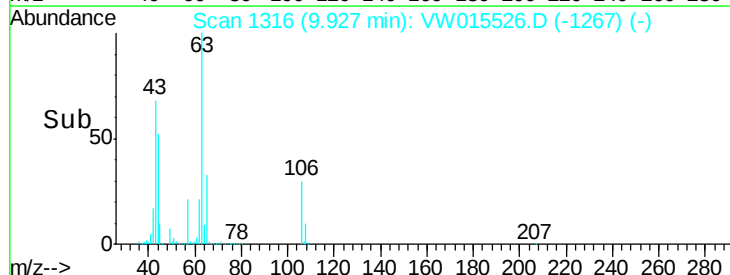
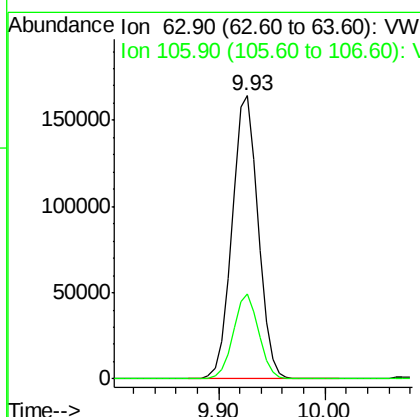
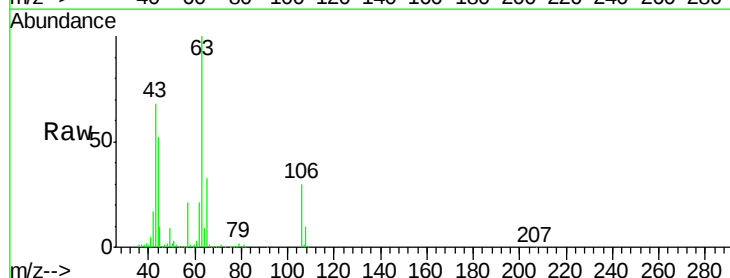
Manual Integrations
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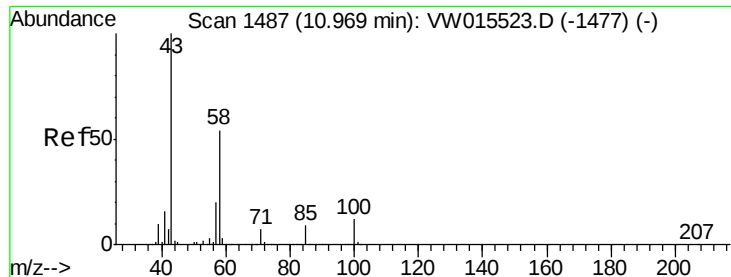
MMDadoda
 6/2/2020 4:00:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.973 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion: 63 Resp: 282430
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.9 34.3





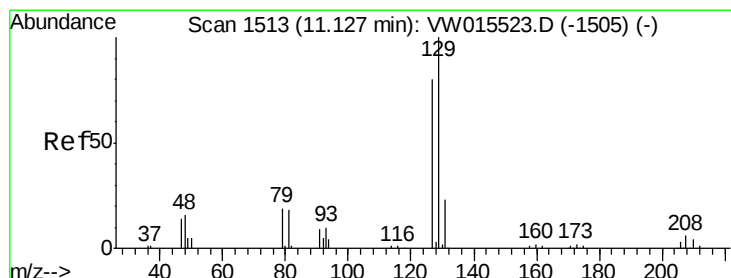
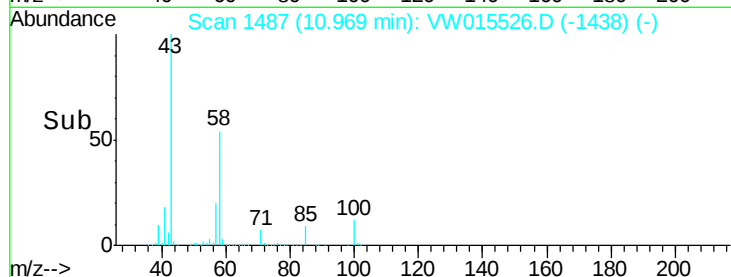
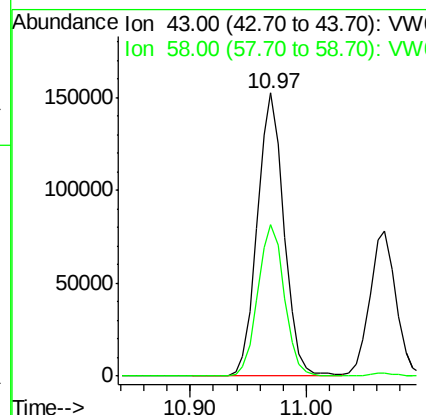
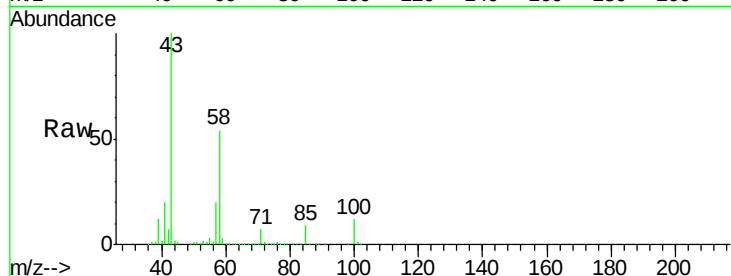
#59
2-Hexanone
Concen: 252.955 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	43	Resp	244310
Ion Ratio	43	100	
Lower	58	53.6	26.8
Upper			80.3

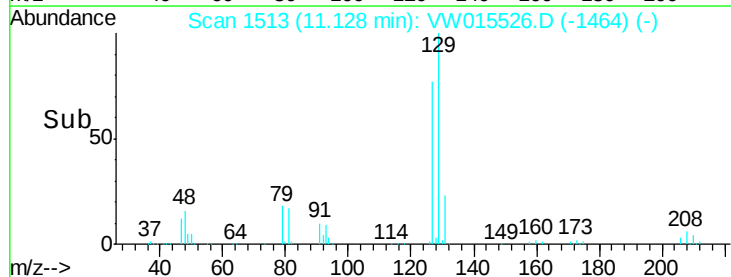
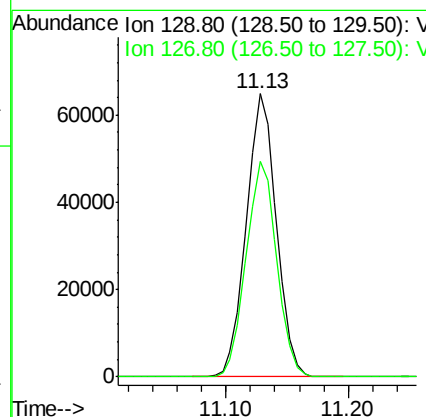
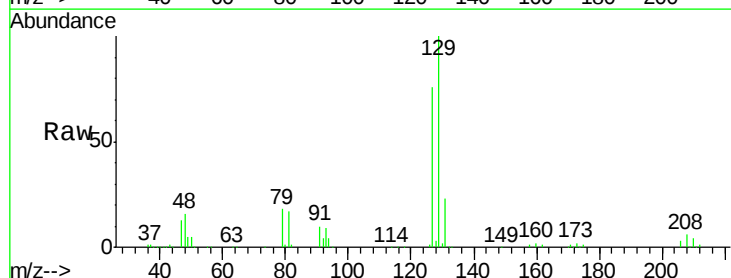
Manual Integrations
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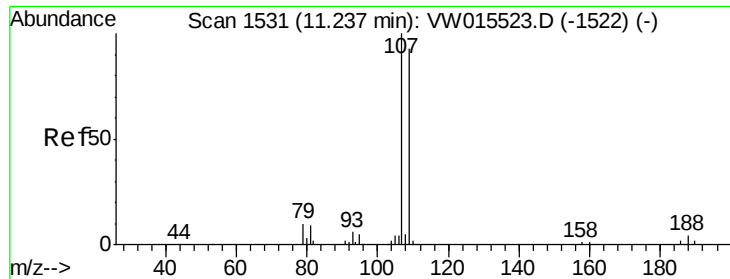
MMDadoda
6/2/2020 4:00:23 PM



#60
Dibromochloromethane
Concen: 50.743 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	129	Resp	110709
Ion Ratio	129	100	
Lower	127	77.5	38.4
Upper			115.2





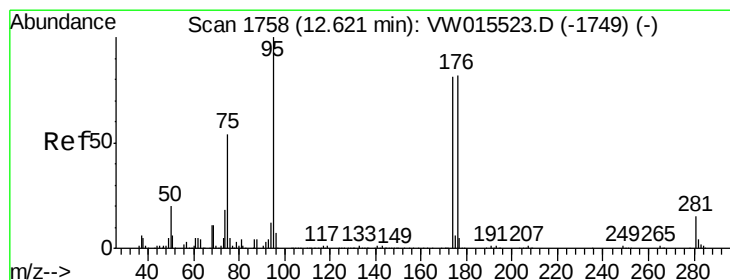
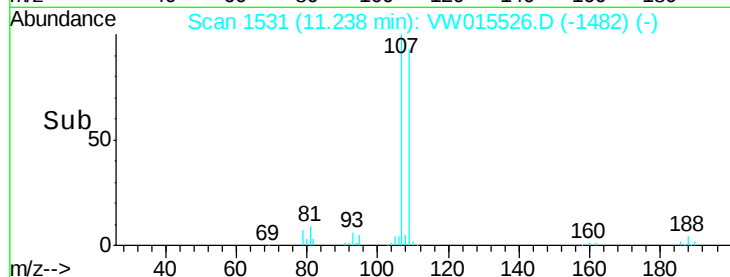
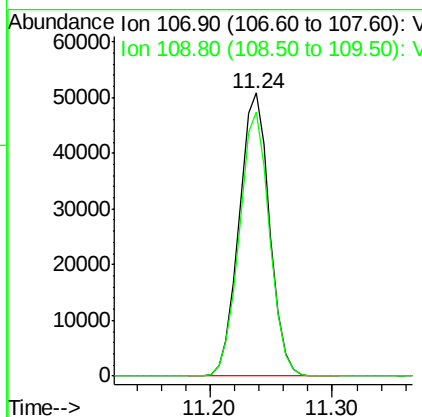
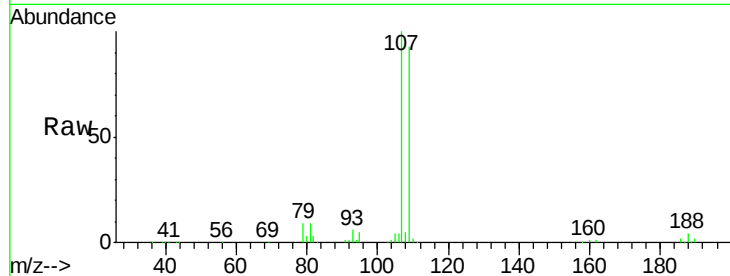
#61
 1,2-Dibromoethane
 Concen: 51.066 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	111.8

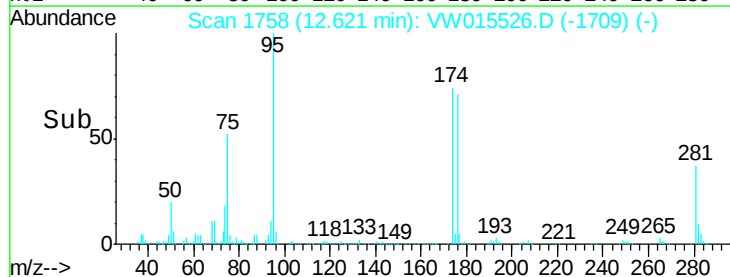
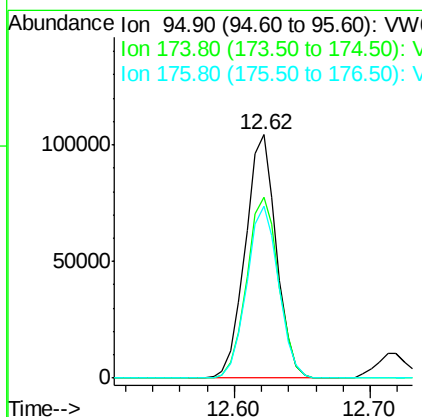
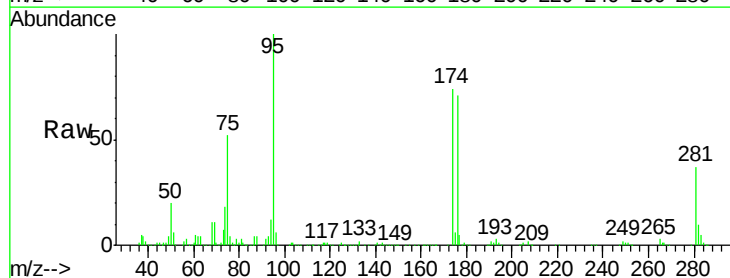
Manual Integrations
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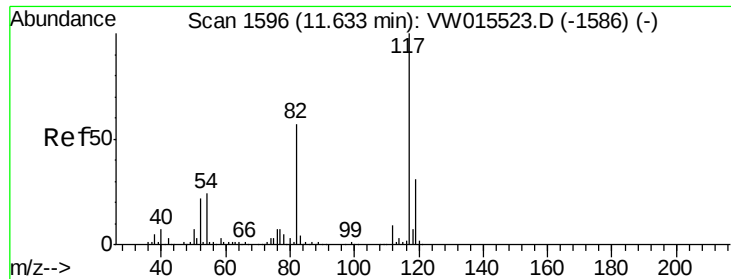
MMDadoda
 6/2/2020 4:00:23 PM



#62
 4-Bromofluorobenzene
 Concen: 50.904 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	153.6
176	72.9	0.0	152.8





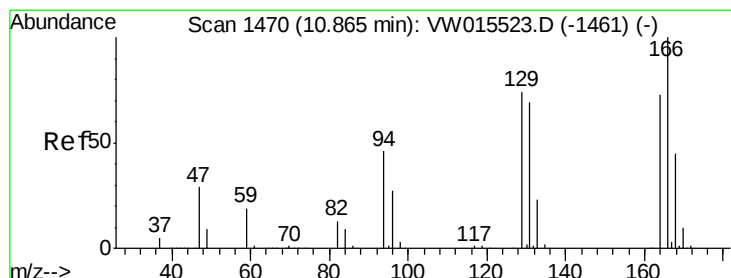
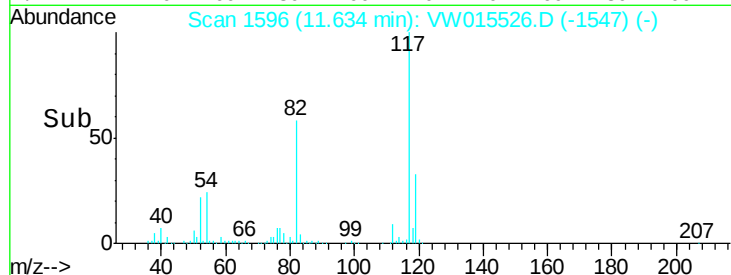
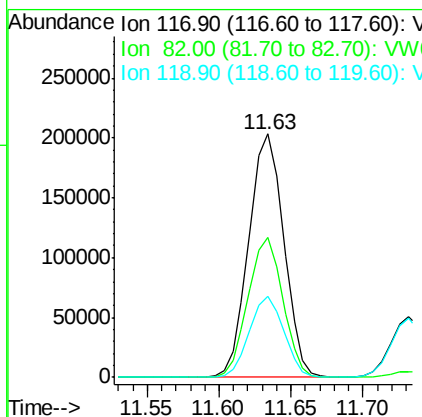
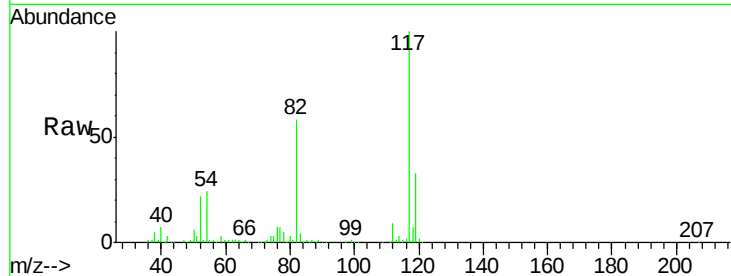
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.8
119	33.2	24.7	37.1

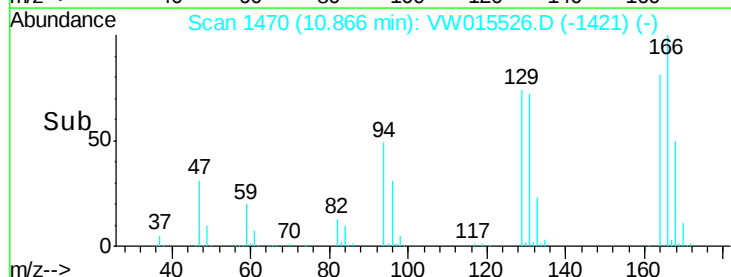
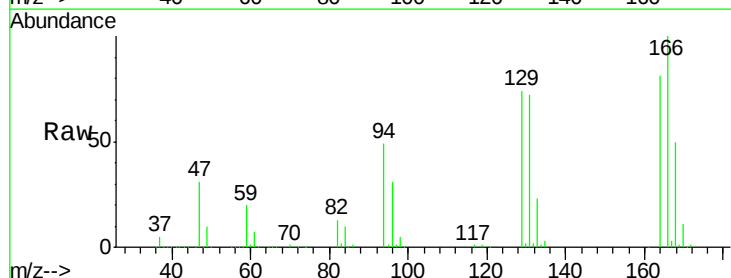
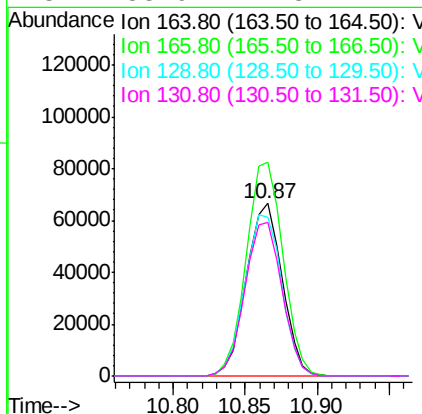
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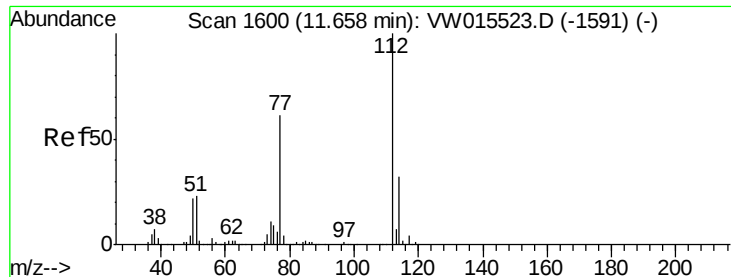
MMDadoda
6/2/2020 4:00:23 PM



#64
Tetrachloroethene
Concen: 50.041 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	109.0	163.6
129	91.8	81.0	121.4
131	88.9	74.8	112.2





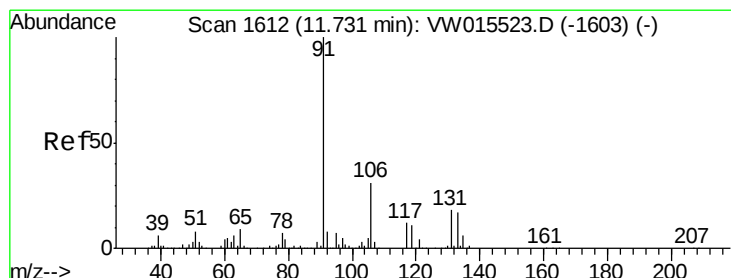
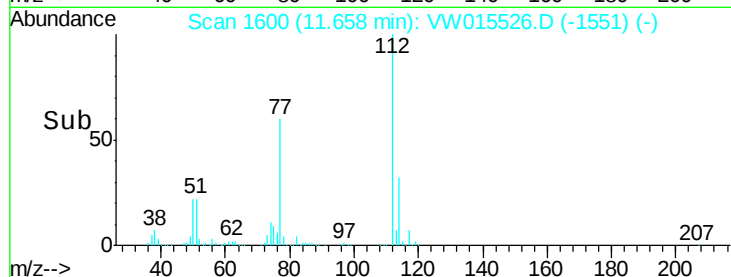
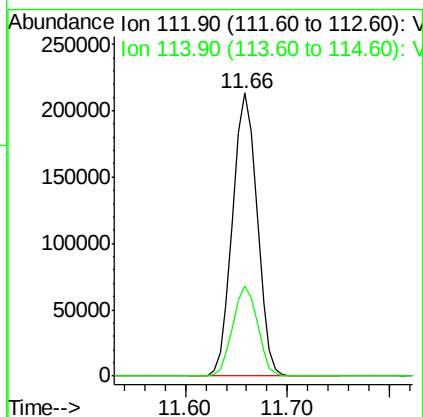
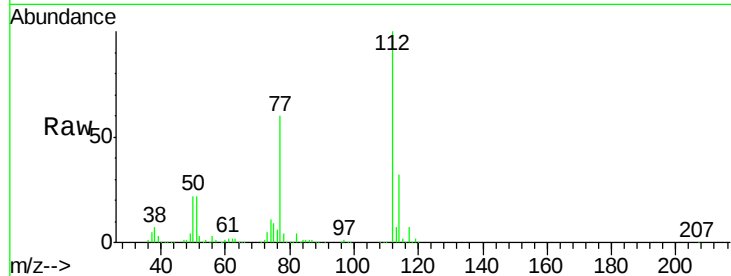
#65
Chlorobenzene
Concen: 50.878 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

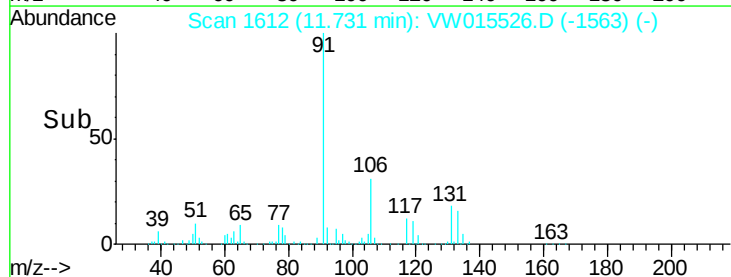
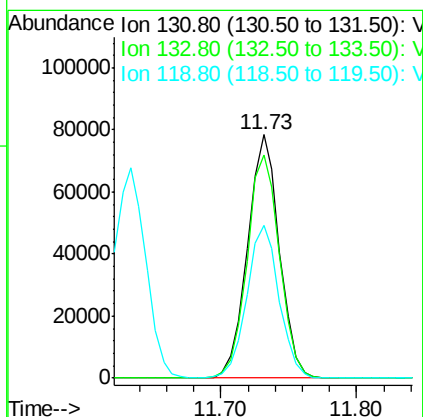
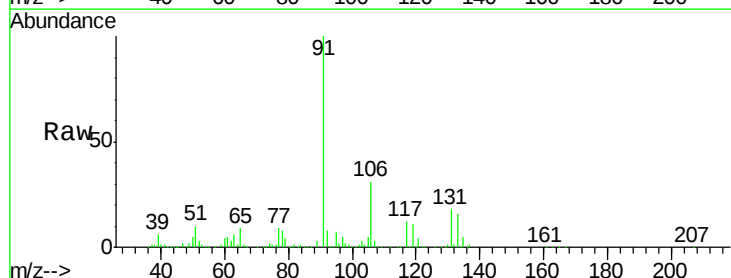
Manual Integrations
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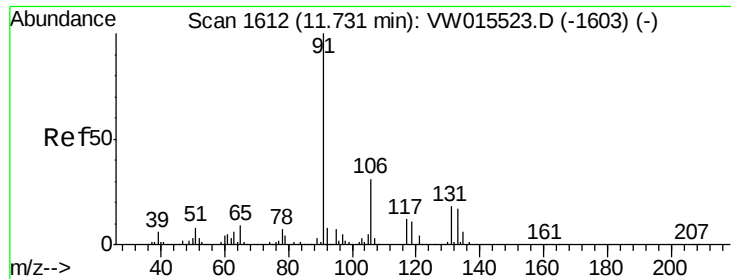
MMDadoda
6/2/2020 4:00:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.308 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	48.3	144.8
119	63.7	32.5	97.5





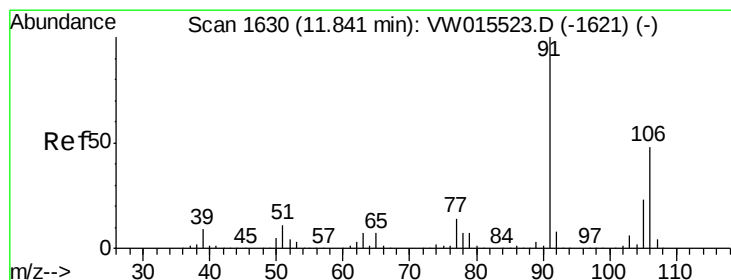
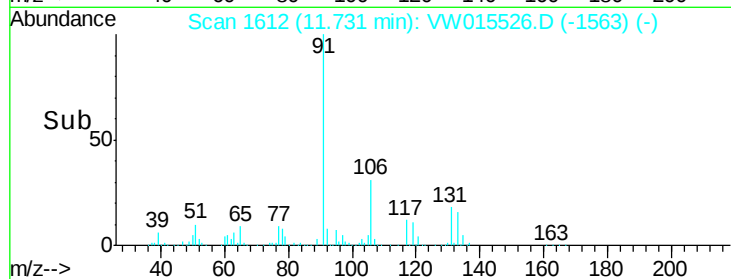
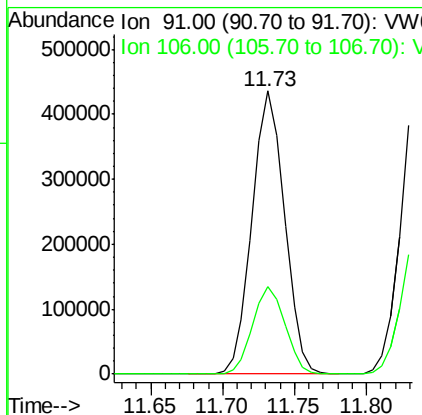
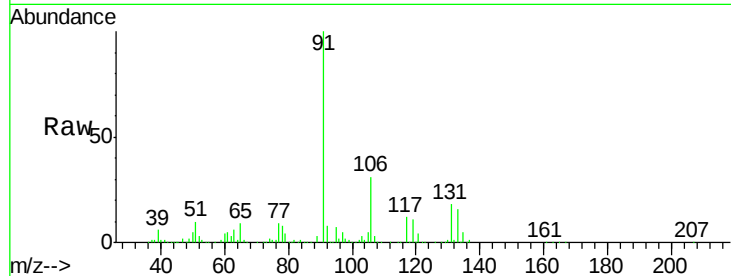
#67
Ethyl Benzene
Concen: 51.724 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampled :
ICVW062220

Tot Ion: 91 Resp: 680168
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

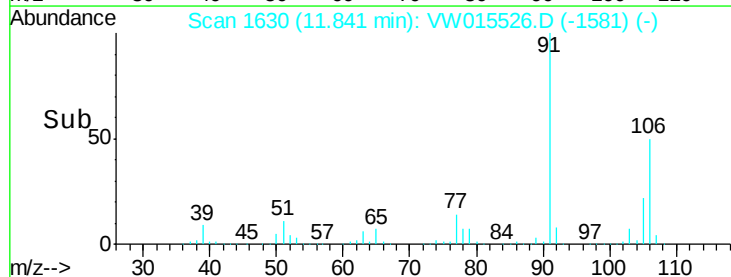
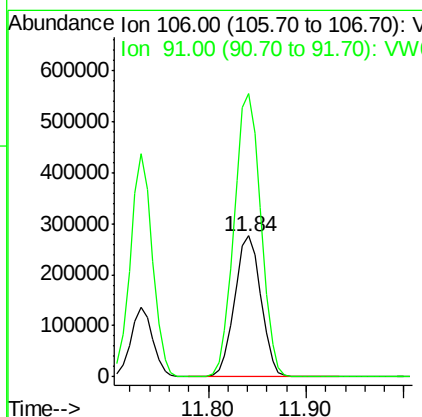
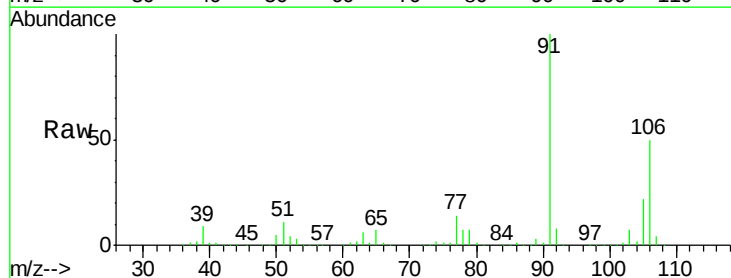
Manual Integrations
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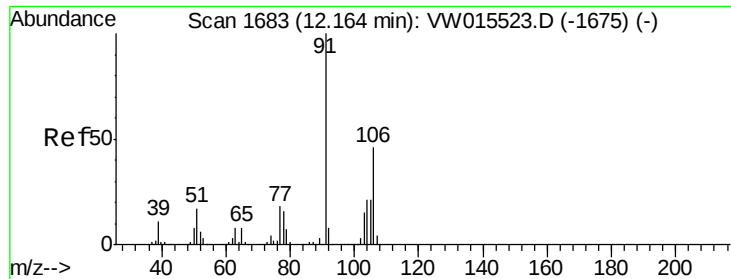
MMDadoda
6/2/2020 4:00:23 PM



#68
m/p-Xylenes
Concen: 104.870 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion: 106 Resp: 515259
Ion Ratio Lower Upper
106 100
91 203.0 163.5 245.3





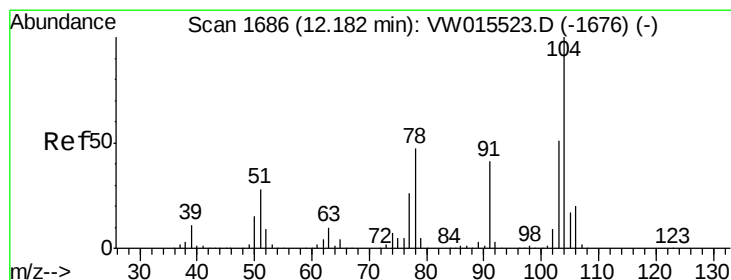
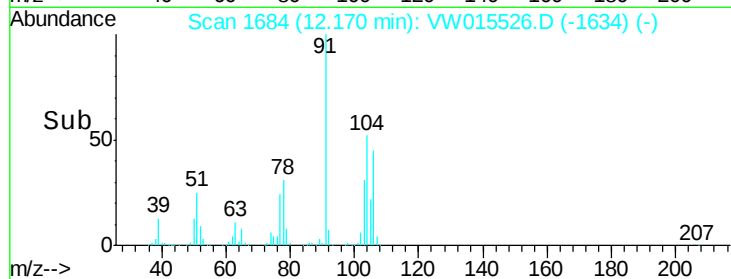
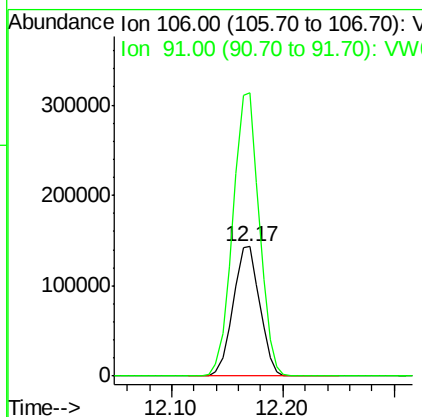
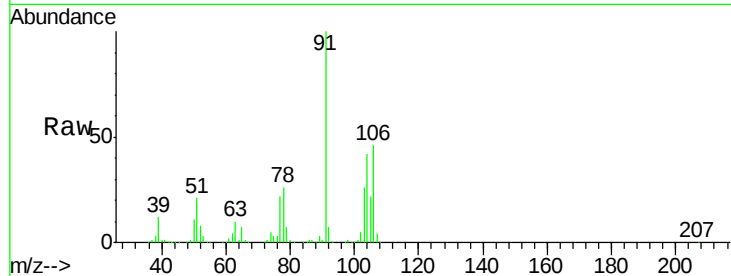
#69
o-Xylene
Concen: 51.837 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampled :
ICVW062220

Tot Ion:106 Resp: 237256
Ion Ratio Lower Upper
106 100
91 217.2 107.8 323.4

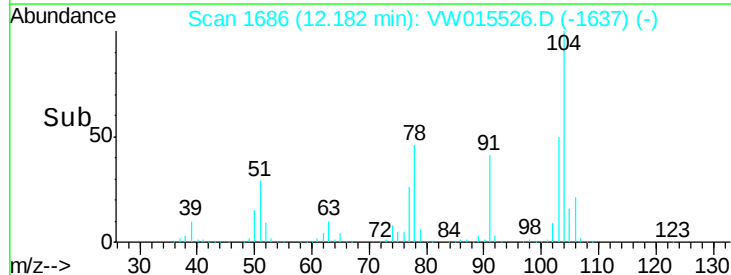
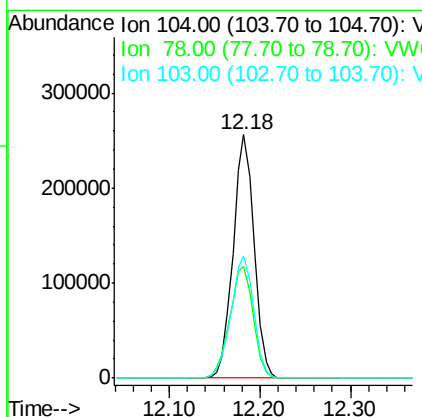
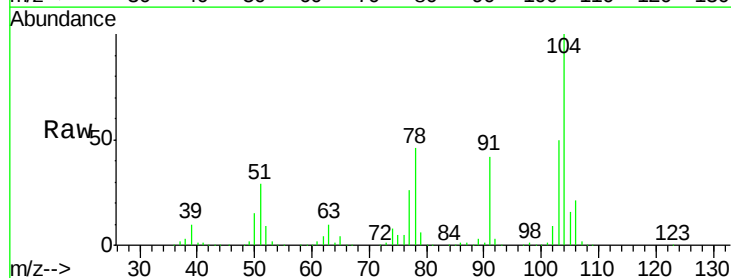
Manual Integrations
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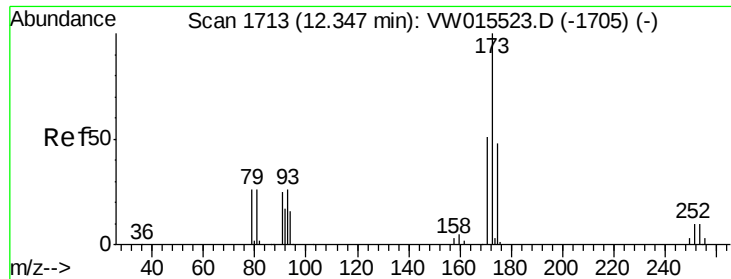
MMDadoda
6/2/2020 4:00:23 PM



#70
Styrene
Concen: 52.454 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion:104 Resp: 410052
Ion Ratio Lower Upper
104 100
78 51.4 41.7 62.5
103 54.3 43.8 65.8





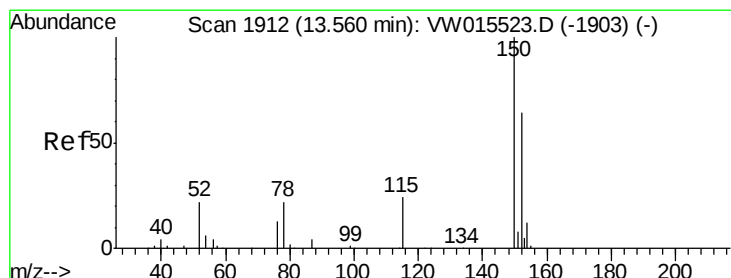
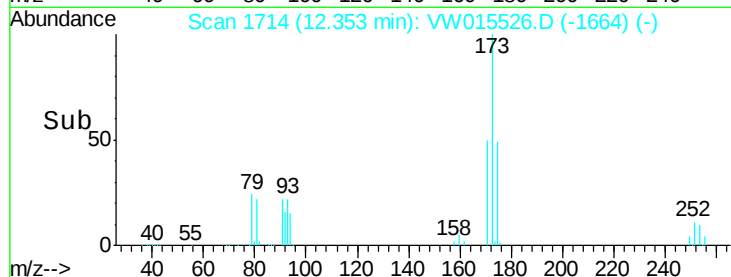
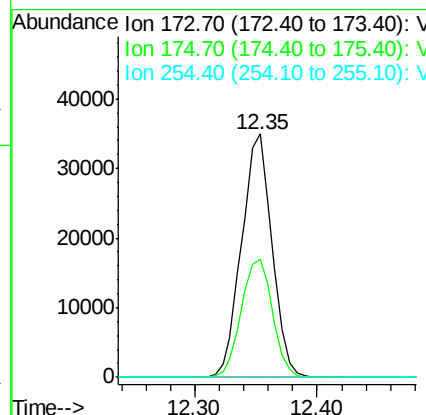
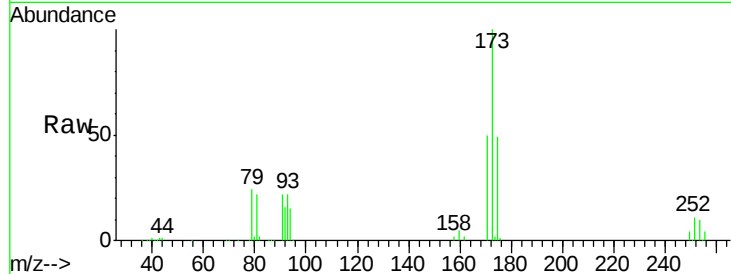
#71
Bromoform
Concen: 50.139 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.8	74.3
254	0.2	0.0	0.0

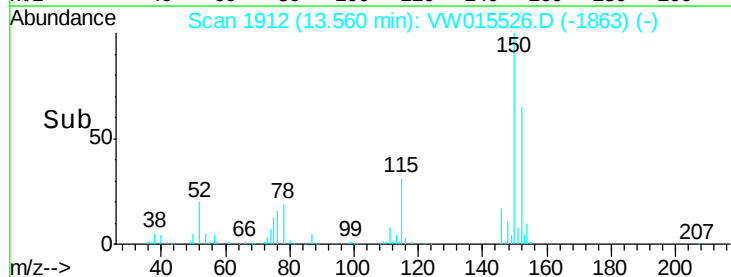
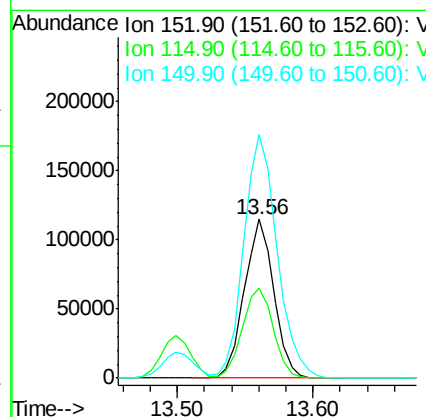
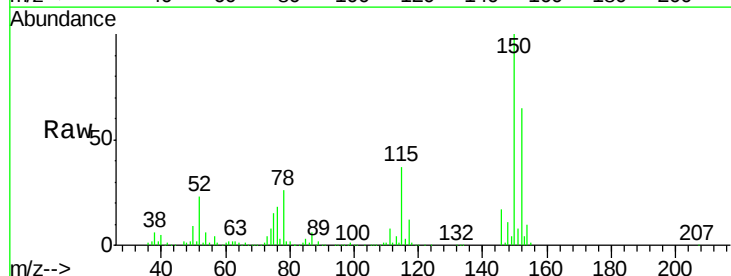
Manual Integrations
APPROVED

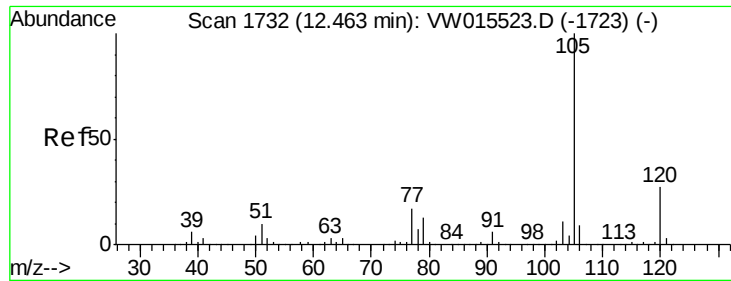
MMDadoda
6/2/2020 4:00:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.0	90.0
150	174.2	0.0	351.0





#73

Isopropylbenzene

Concen: 50.696 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 105 Resp: 672159

Ion Ratio Lower Upper

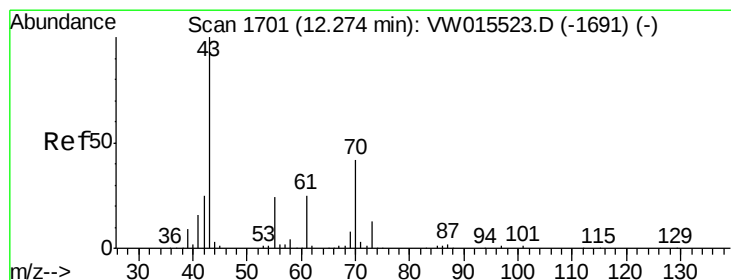
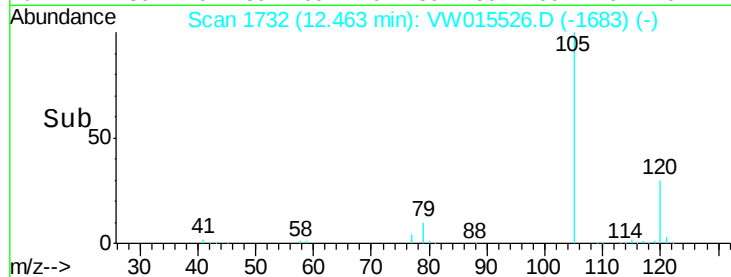
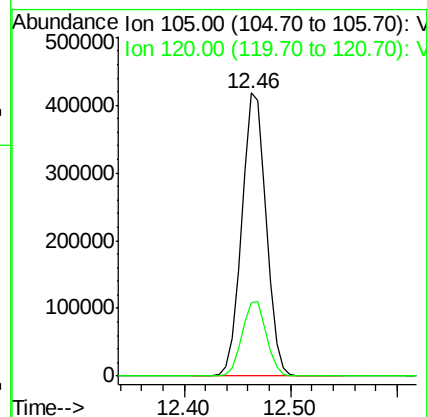
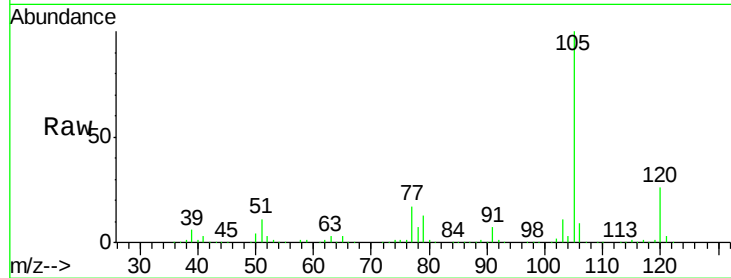
105 100

120 26.3 13.0 38.9

Manual Integrations
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6/2/2020 4:00:23 PM



#74

N-ethyl acetate

Concen: 49.622 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion: 43 Resp: 141221

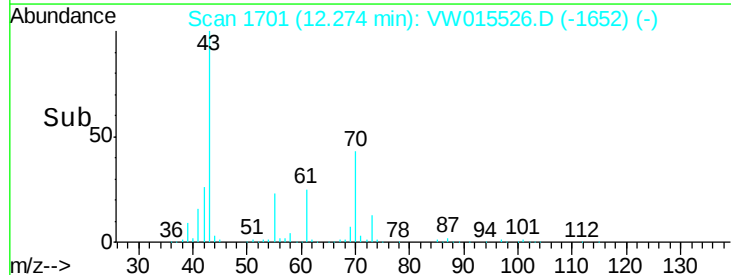
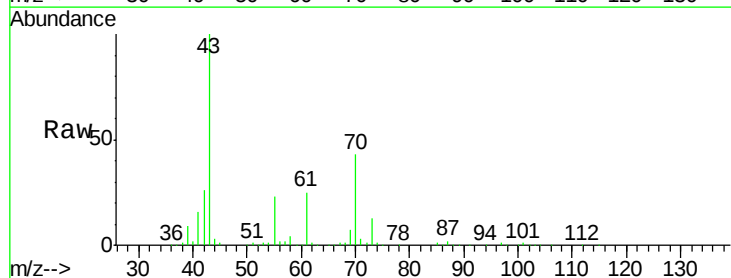
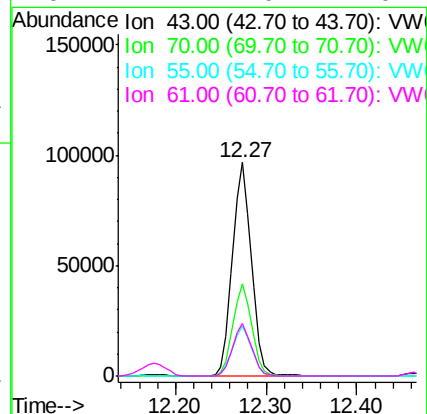
Ion Ratio Lower Upper

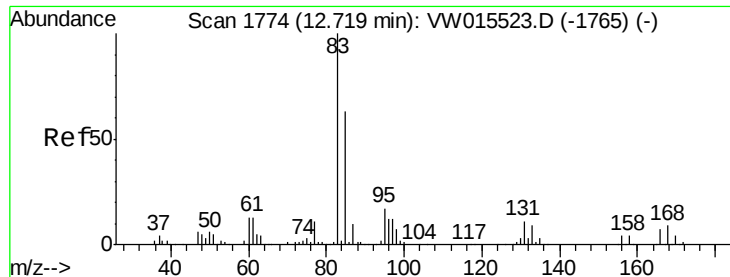
43 100

70 42.4 33.6 50.4

55 23.5 19.1 28.7

61 24.4 19.4 29.2





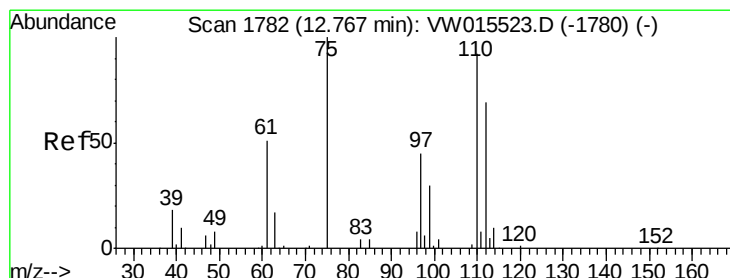
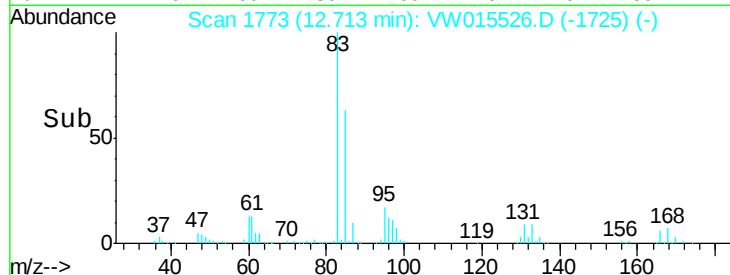
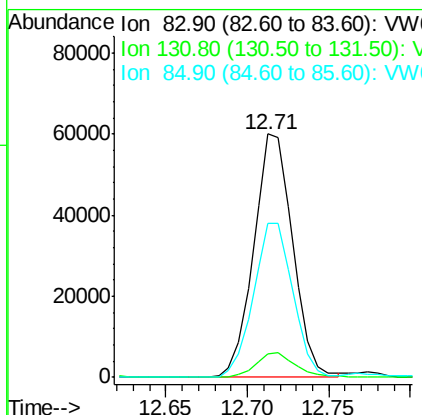
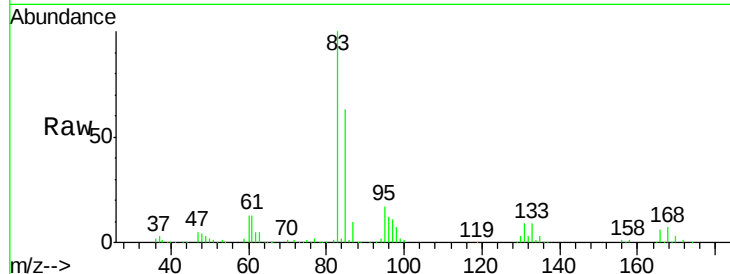
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.786 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	83	Resp	99670
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	64.1	32.0	96.0

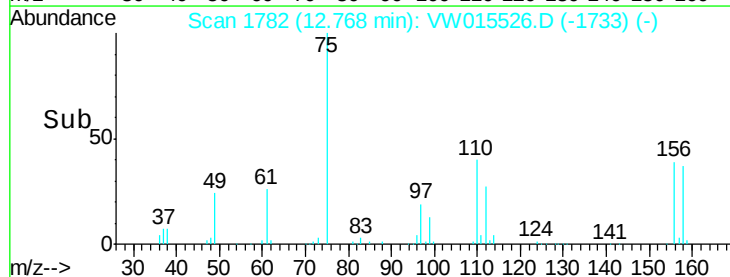
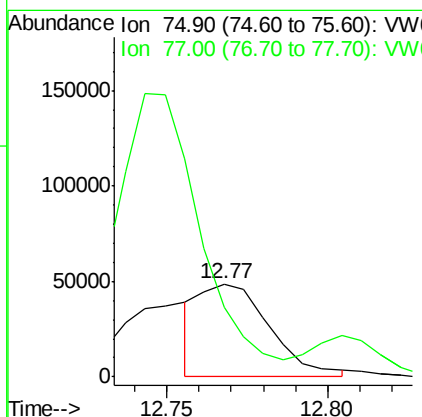
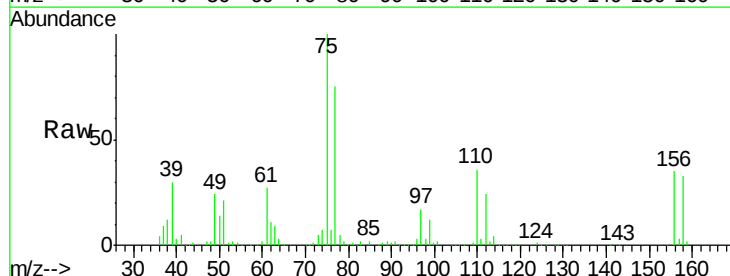
Manual Integrations
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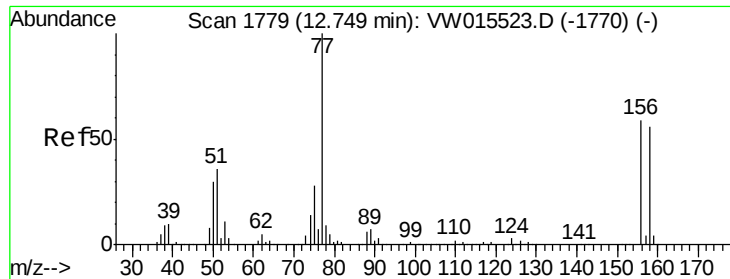
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 50.632 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	75	Resp	74040
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.332 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

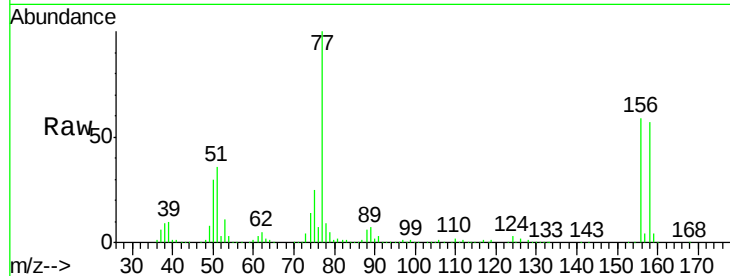
ClientSampleId :

ICVW062220

Tot Ion:	156	Resp:	141238
Ion Ratio	Lower	Upper	
156	100		
77	195.2	97.3	291.8
158	97.2	48.5	145.6

Manual Integrations
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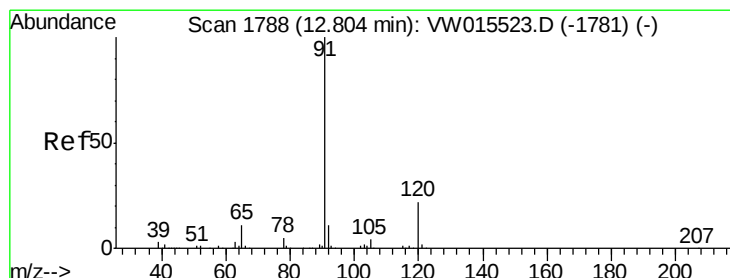
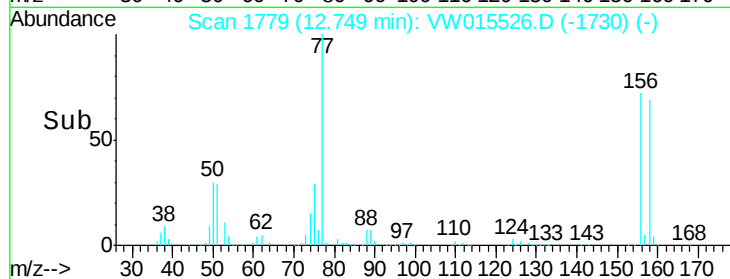
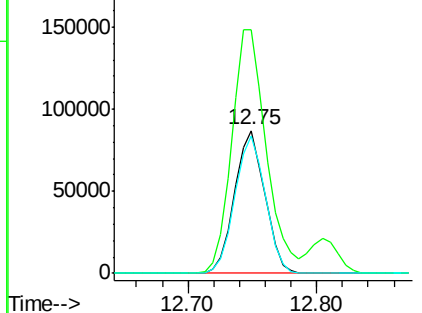
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.830 ug/l

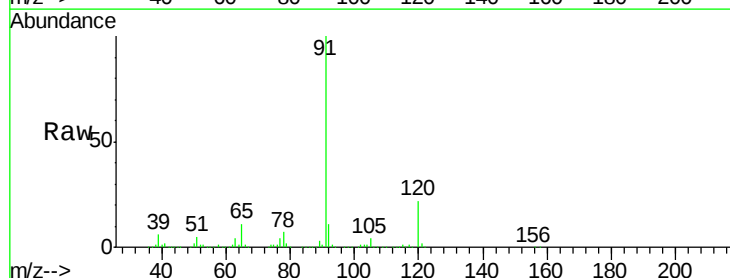
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015526.D

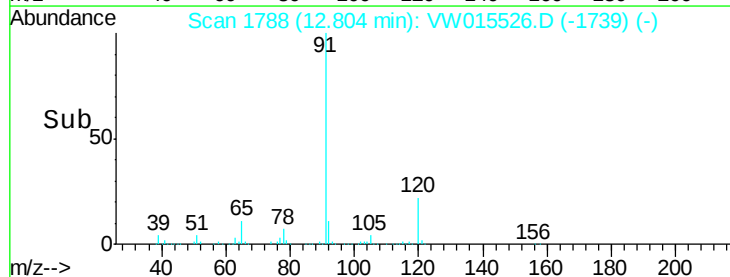
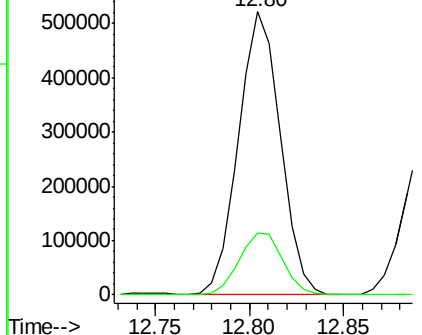
Acq: 02 Jun 2020 14:07

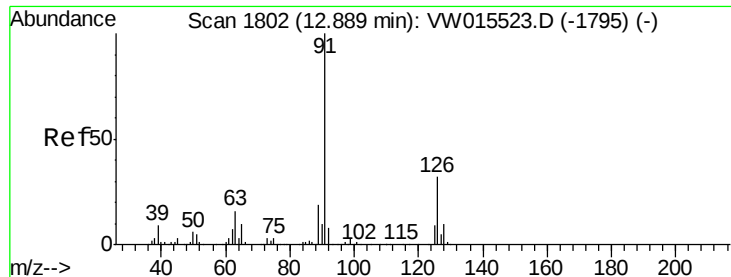
Tgt Ion:	91	Resp:	805172
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.409 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

ICVW062220

Tot Ion: 91 Resp: 453241

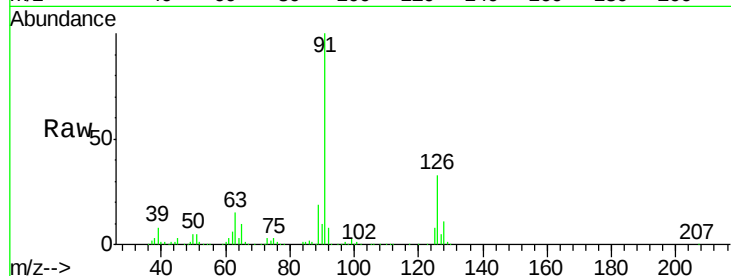
Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.5

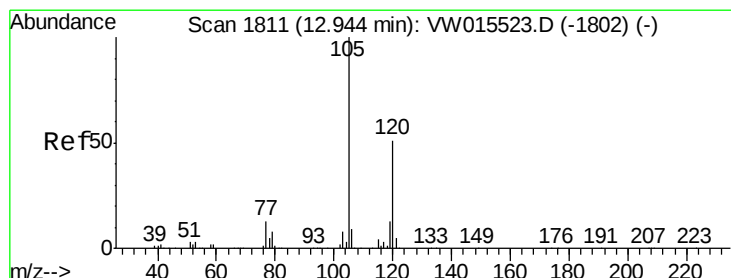
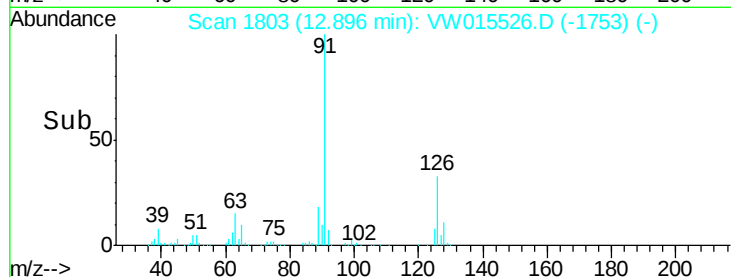
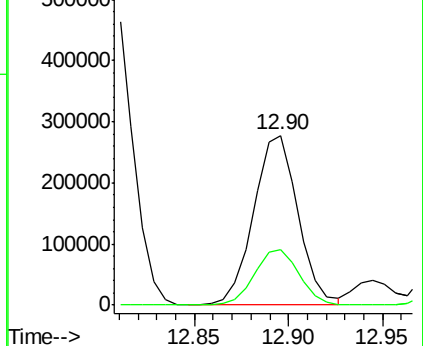
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.138 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015526.D

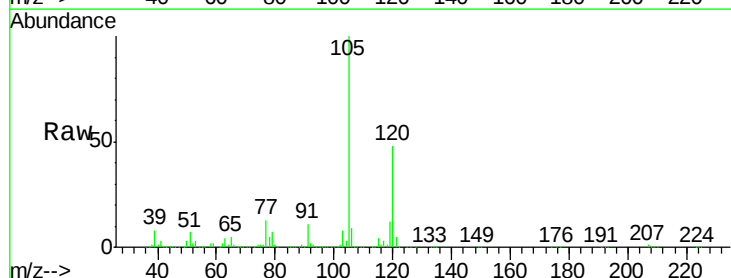
Acq: 02 Jun 2020 14:07

Tgt Ion:105 Resp: 571384

Ion Ratio Lower Upper

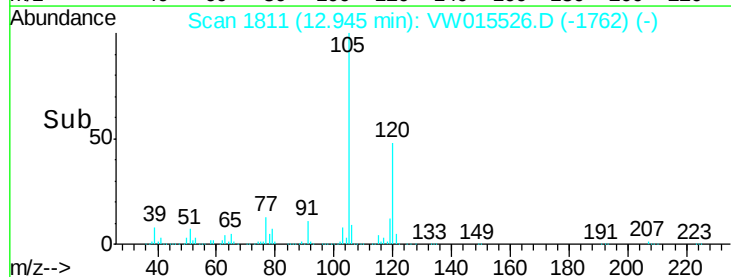
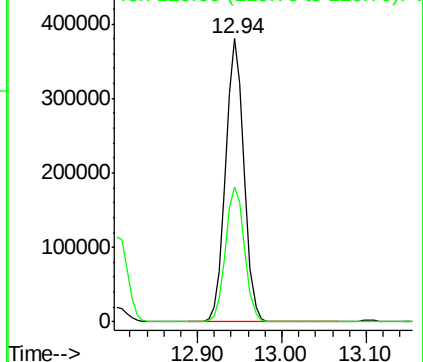
105 100

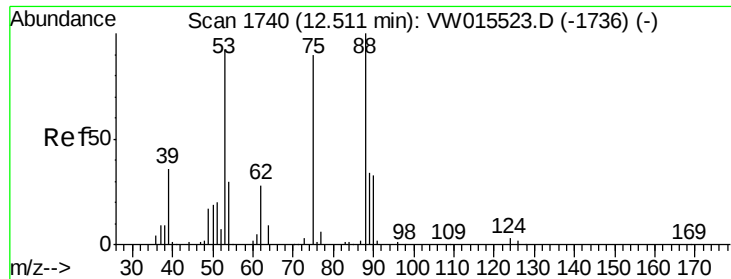
120 49.1 24.7 74.1



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: 50.223 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Instrument :

MSVOA_W

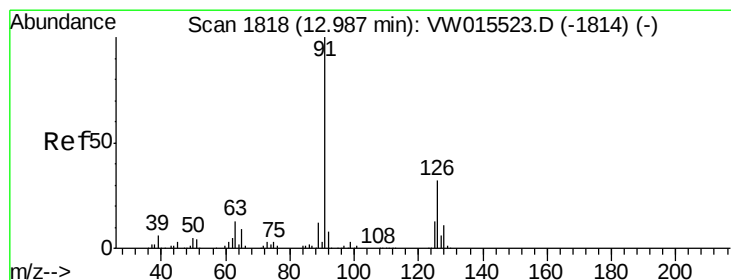
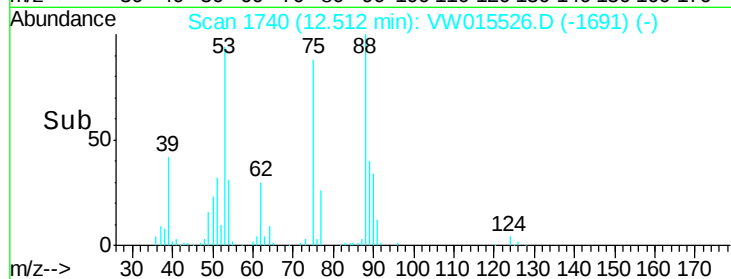
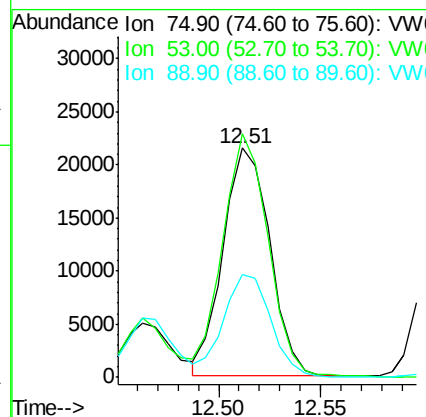
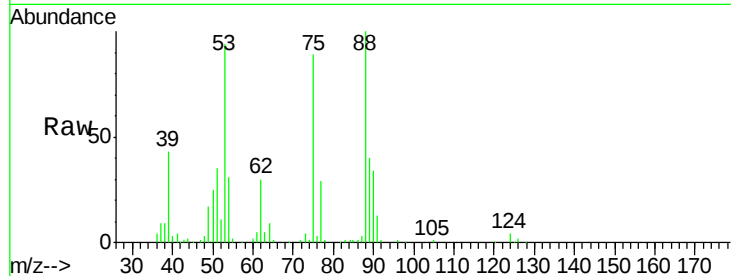
ClientSampleId :

ICVW062220

Tot Ion:	75	Resp:	34096
Ion	Ratio	Lower	Upper
75	100		
53	104.6	84.0	126.0
89	45.9	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.327 ug/l

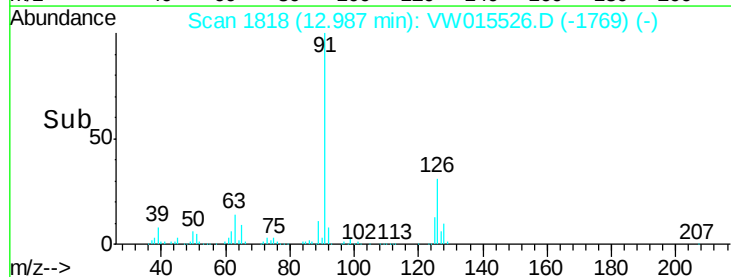
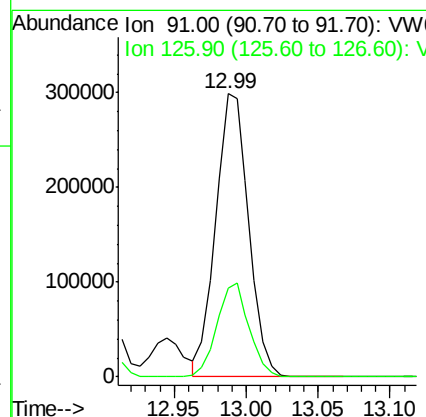
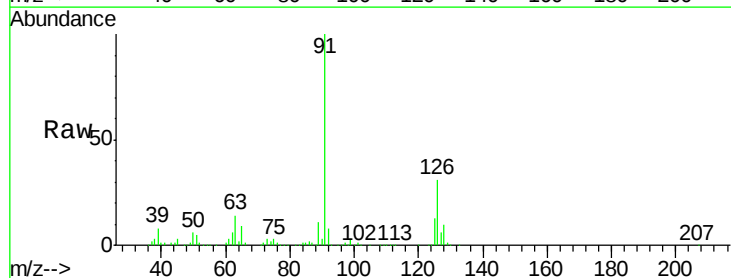
RT: 12.99 min Scan# 1818

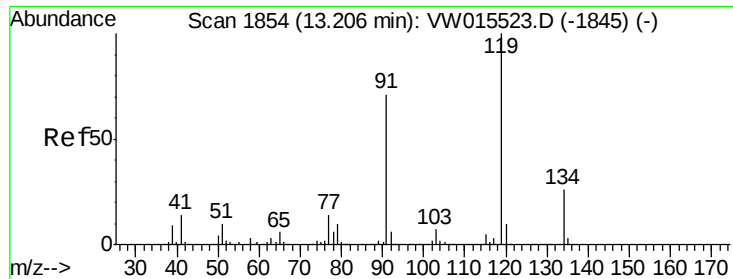
Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion:	91	Resp:	476462
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4





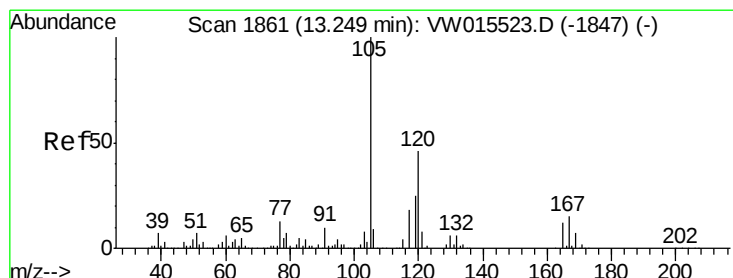
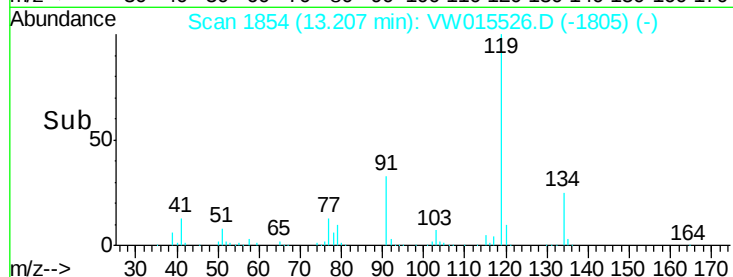
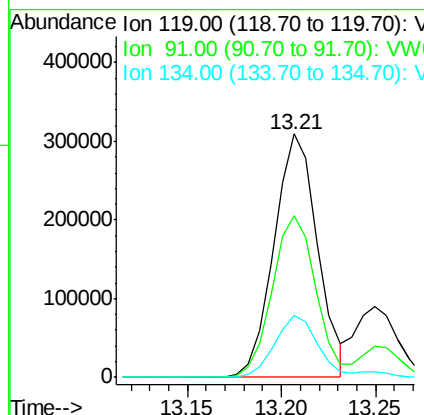
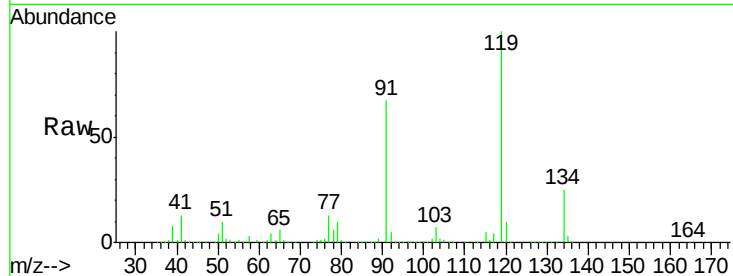
#83
tert-Butylbenzene
Concen: 51.893 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.2	102.5
134	25.1	12.7	38.1

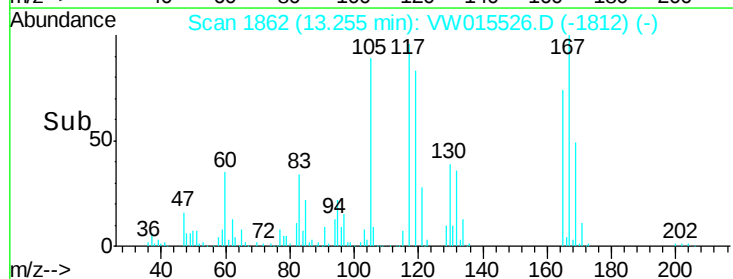
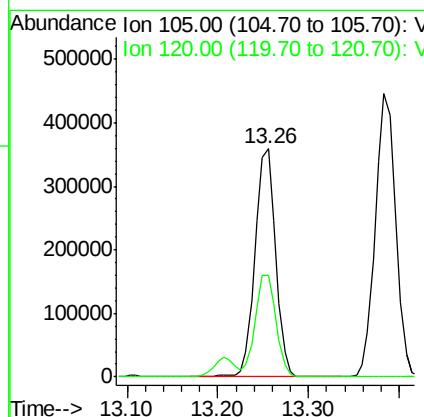
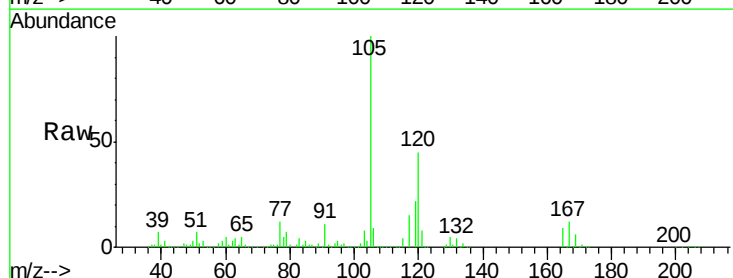
Manual Integrations
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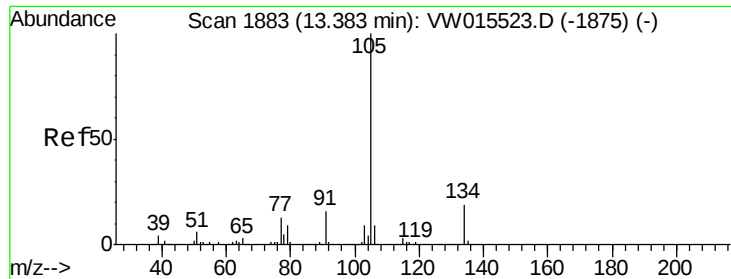
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.617 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





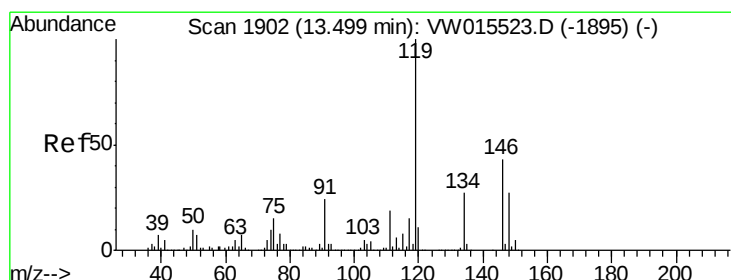
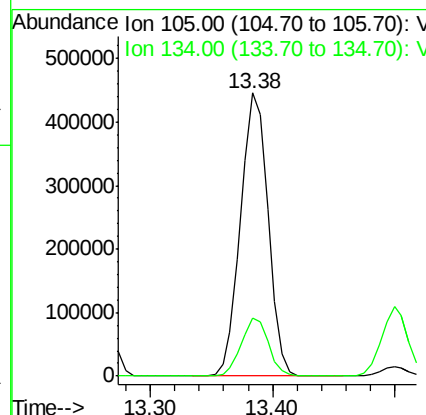
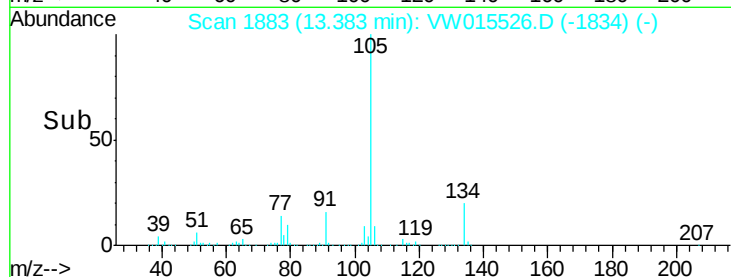
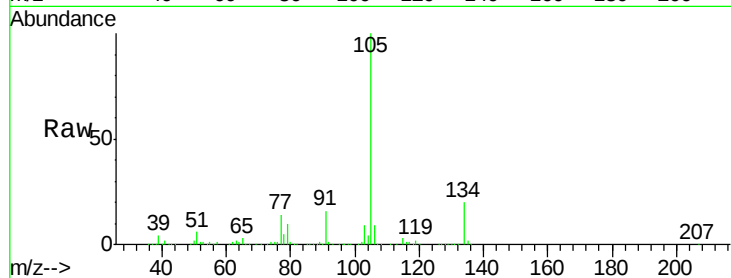
#85
 sec-Butylbenzene
 Concen: 51.587 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

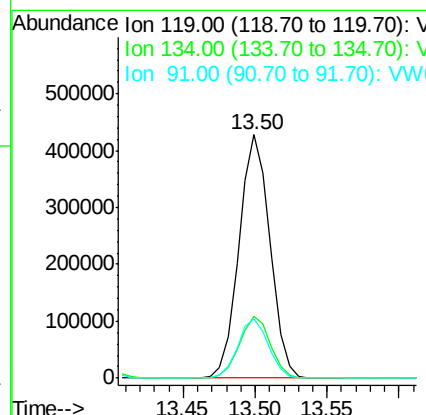
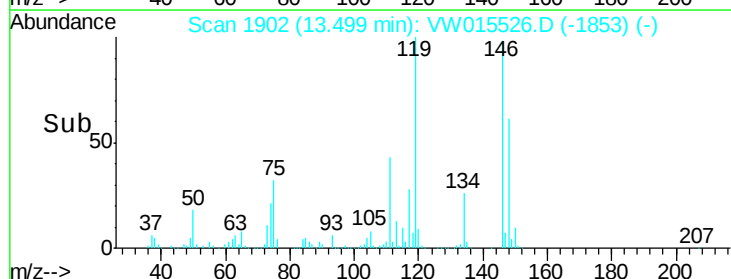
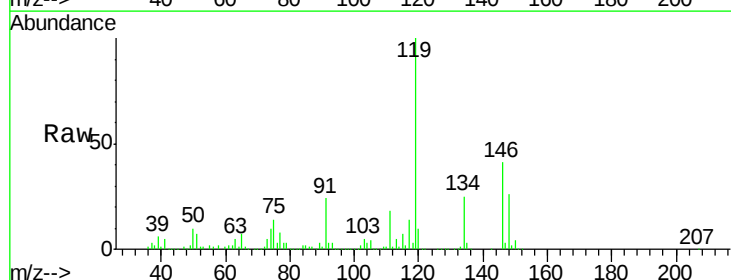
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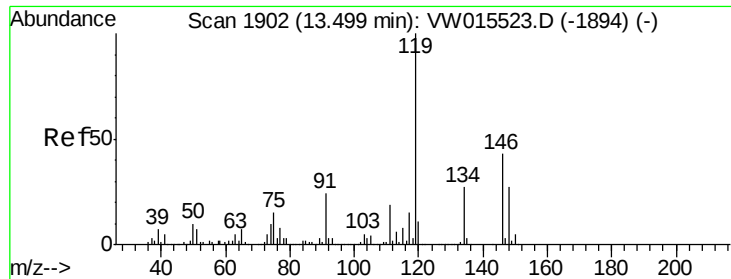
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#86
 p-Isopropyltoluene
 Concen: 51.695 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.2	39.5
91	24.0	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 50.856 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

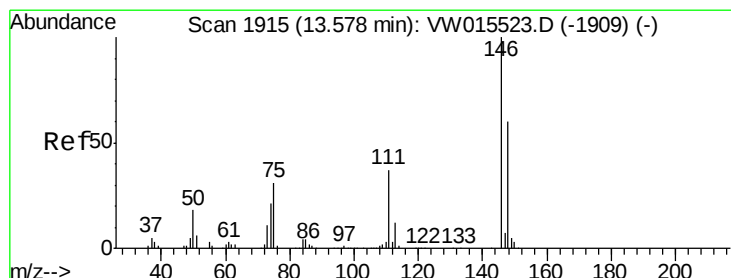
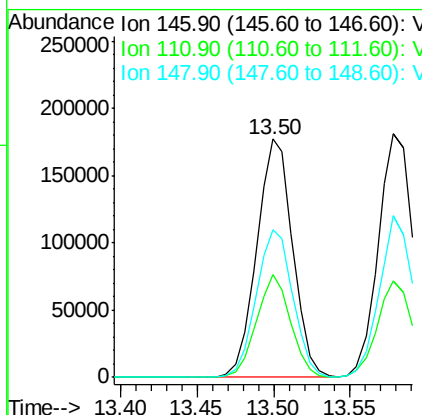
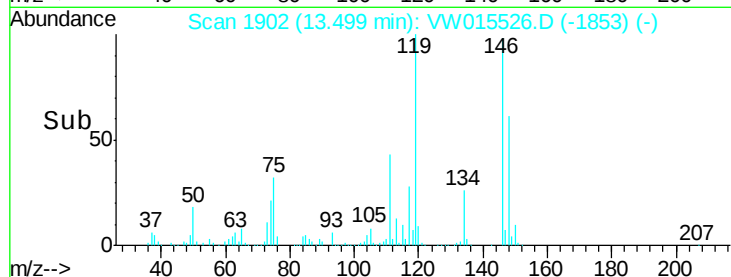
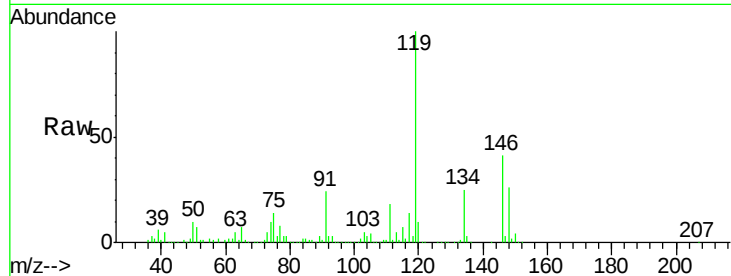
Instrument :
MSVOA_W

ClientSampleId :
ICVW062220

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288852		
111	41.1	20.8	62.5	
148	63.2	31.2	93.6	

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#88

1,4-Dichlorobenzene

Concen: 51.149 ug/l

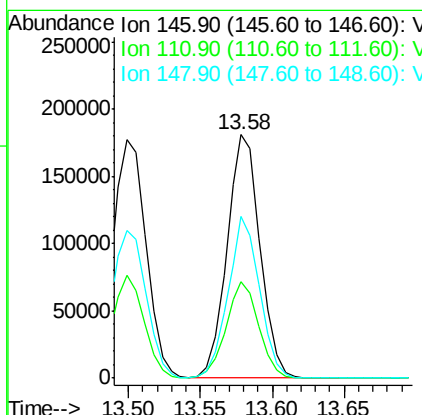
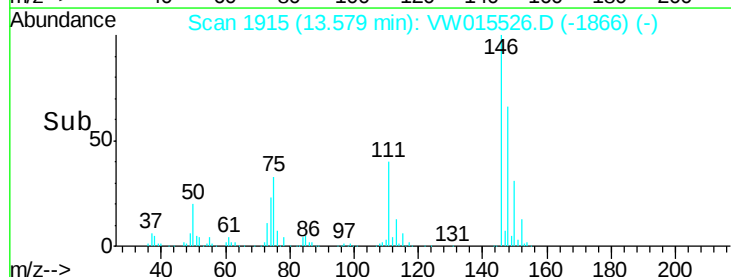
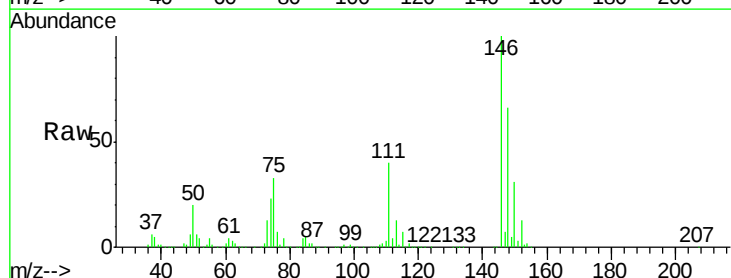
RT: 13.58 min Scan# 1915

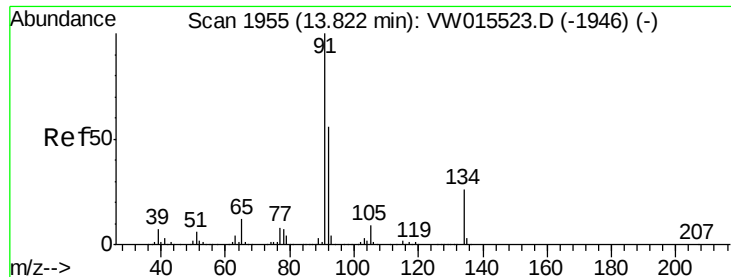
Delta R.T. 0.00 min

Lab File: VW015526.D

Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	289441		
111	39.0	19.6	58.7	
148	63.5	30.9	92.7	





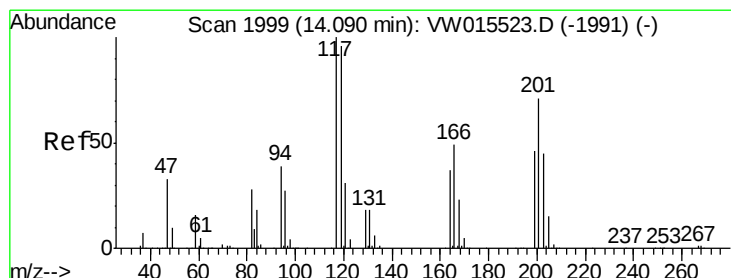
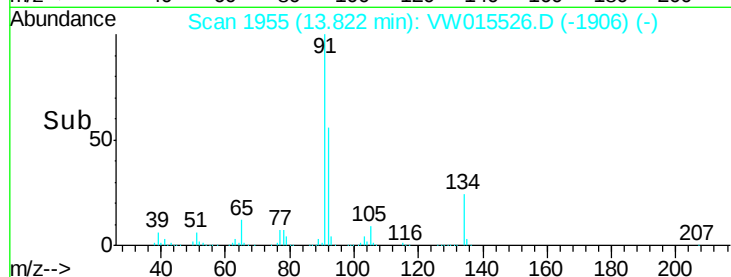
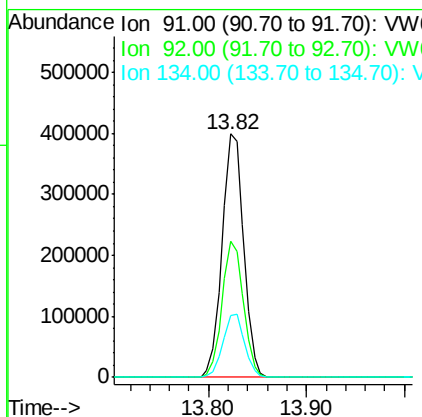
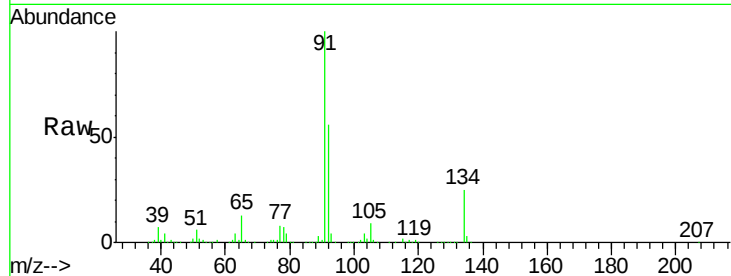
#89
n-Butylbenzene
Concen: 51.519 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.3	81.9
134	26.1	13.1	39.1

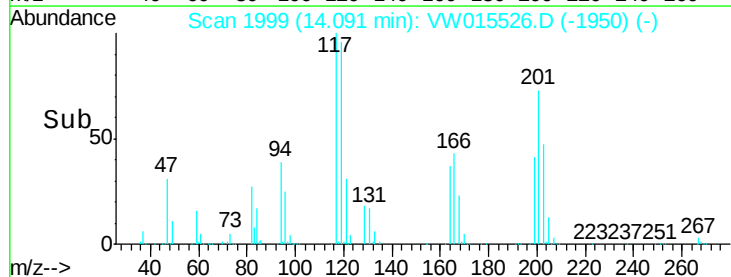
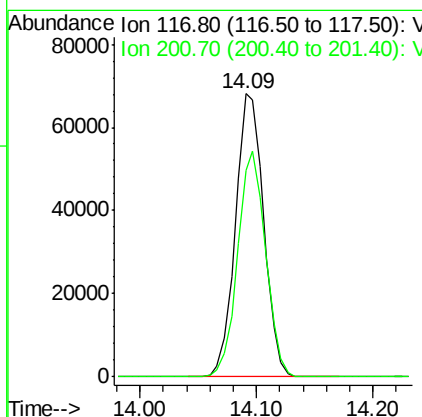
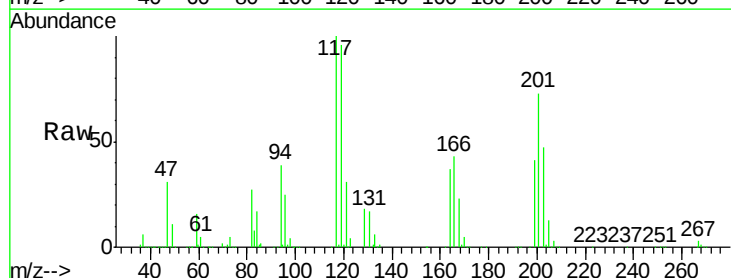
Manual Integrations
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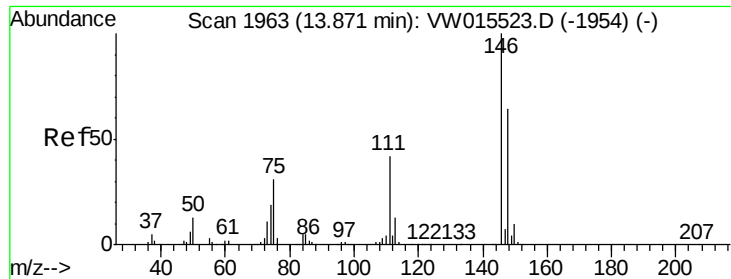
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#90
Hexachloroethane
Concen: 50.770 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	38.5	115.3





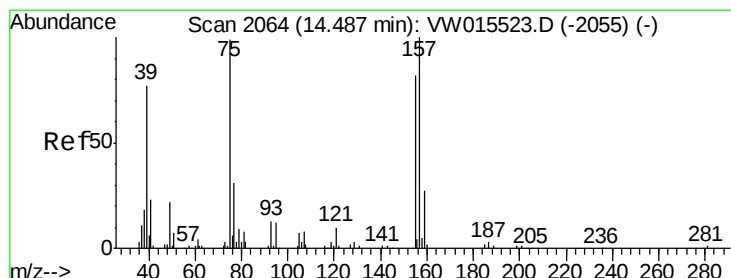
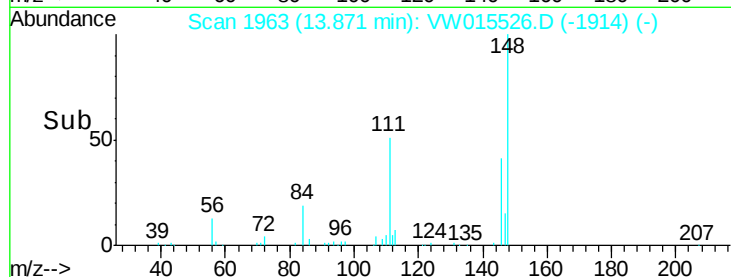
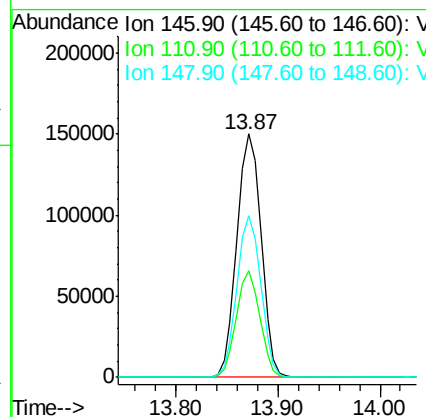
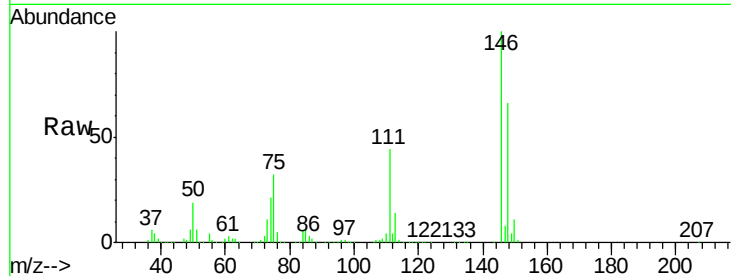
#91
 1,2-Dichlorobenzene
 Concen: 49.718 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	65.4	32.1	96.5

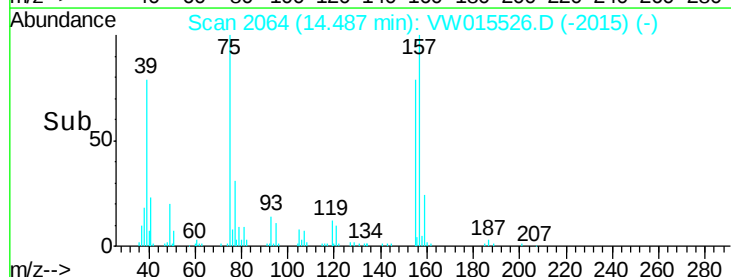
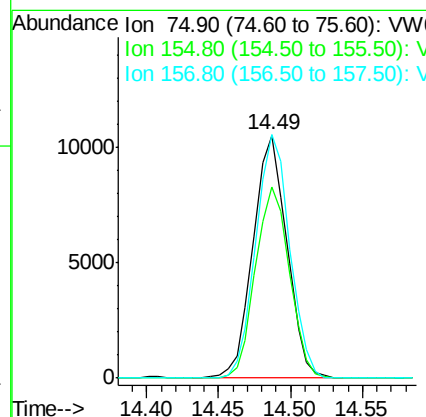
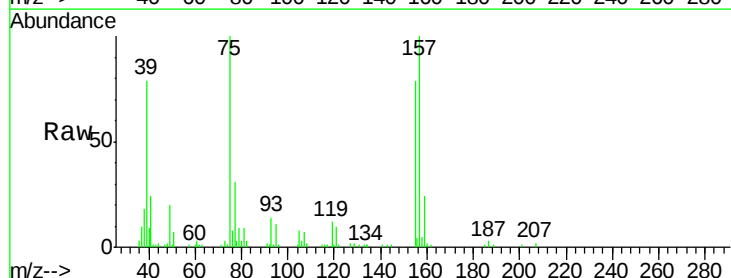
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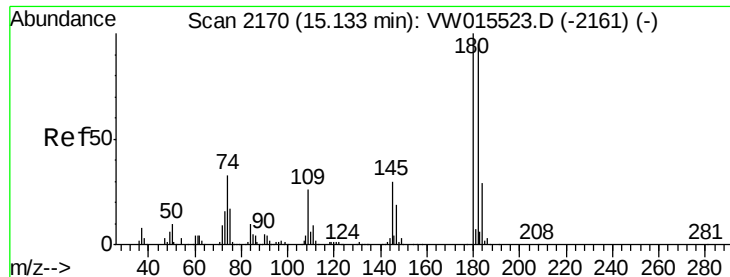
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.336 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.4	121.1
157	100.5	50.5	151.6





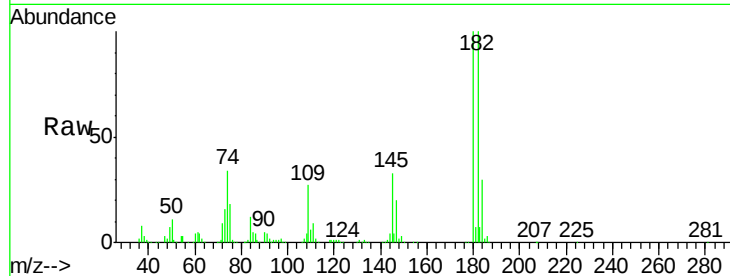
#93
 1,2,4-Trichlorobenzene
 Concen: 50.951 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW062220

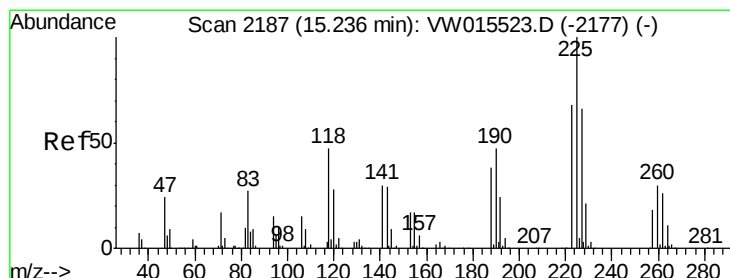
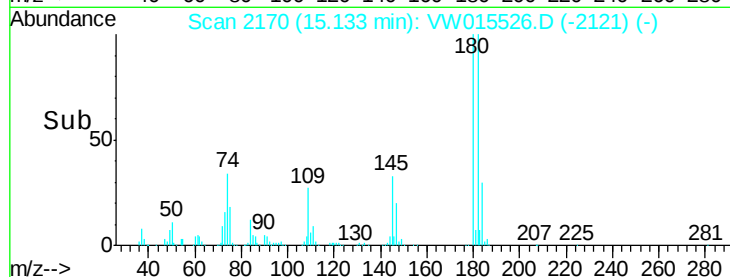
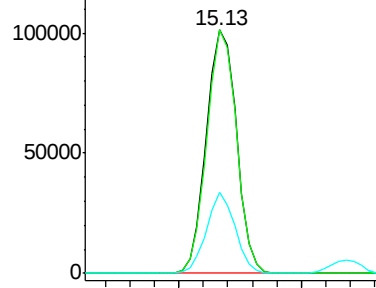
Tot Ion	Ratio	Resp	Lower	Upper
180	100	173572		
182	97.6	47.7	143.1	
145	31.2	15.4	46.2	

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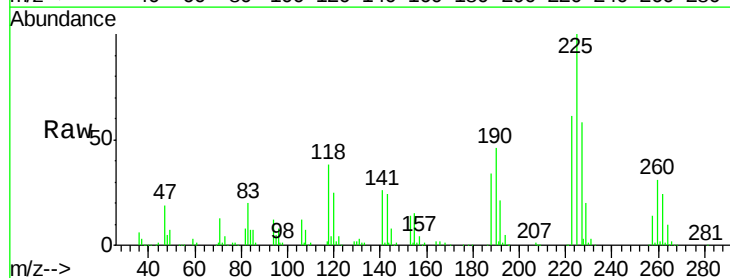


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

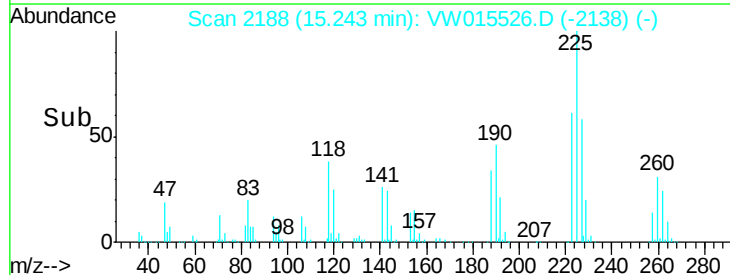
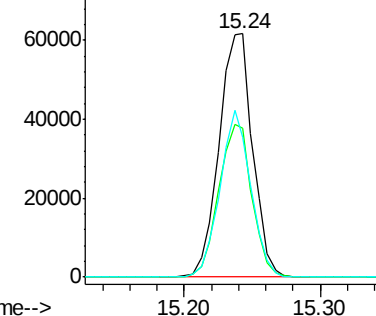


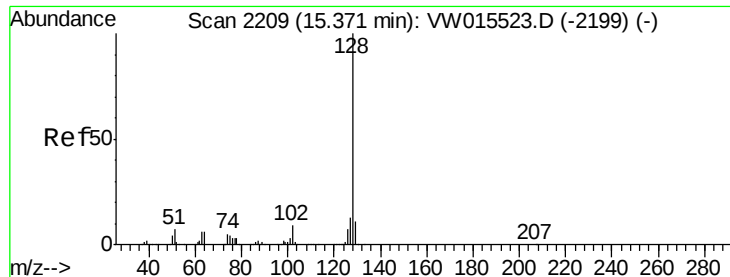
#94
 Hexachlorobutadiene
 Concen: 51.288 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW015526.D
 Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106548		
223	62.2	31.8	95.4	
227	63.1	32.6	97.8	



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





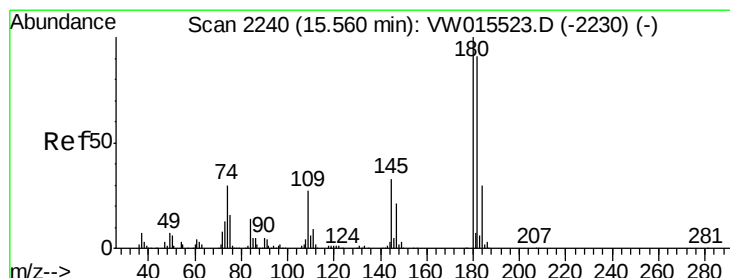
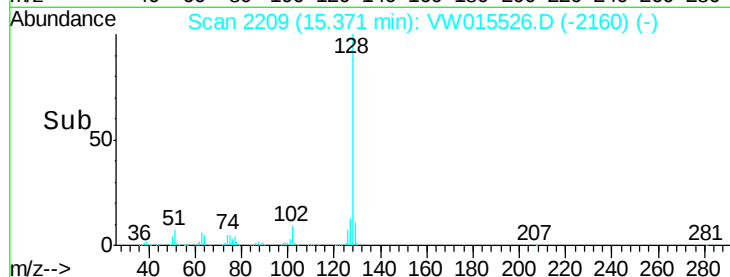
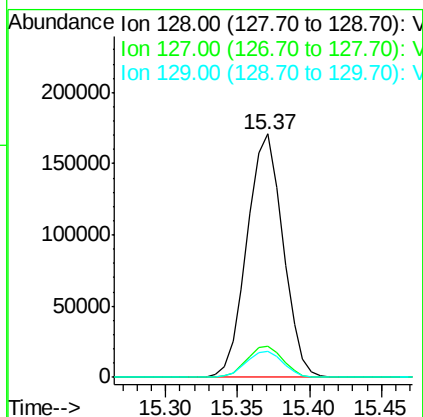
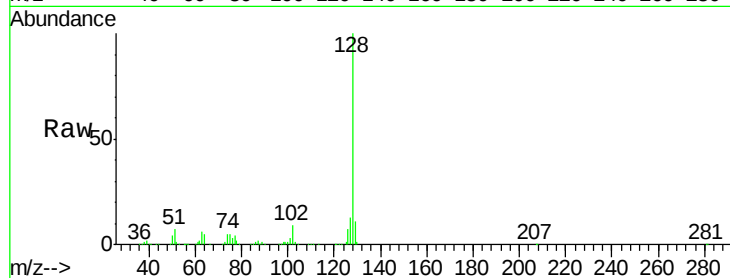
#95
Naphthalene
Concen: 51.209 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
ICVW062220

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 51.072 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015526.D
Acq: 02 Jun 2020 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.1	141.4
145	32.2	16.3	48.8

