

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015226.D
 Acq On : 20 Apr 2020 16:46
 Operator : SY/VA
 Sample : VW0420SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:00:55 AM

Quant Time: Apr 21 07:09:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	106086	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
35) Dibromofluoromethane	7.89	113	105040	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.32	98	418284	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.62	95	152821	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	38069	20.743	ug/l	95
3) Chloromethane	2.21	50	41606	20.818	ug/l	97
4) Vinyl Chloride	2.36	62	48935	20.735	ug/l	97
5) Bromomethane	2.76	94	37695	22.464	ug/l	92
6) Chloroethane	2.92	64	29175	19.930	ug/l	99
7) Trichlorofluoromethane	3.26	101	71572	21.432	ug/l	99
8) Diethyl Ether	3.70	74	19841	21.167	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.07	101	44610	21.661	ug/l	93
10) Methyl Iodide	4.28	142	38408	17.756	ug/l	99
11) Tert butyl alcohol	5.17	59	15621	100.834	ug/l	96
12) 1,1-Dichloroethene	4.04	96	42071	21.224	ug/l	96
13) Acrolein	3.90	56	10291	126.918	ug/l	97
14) Allyl chloride	4.67	41	55031	20.927	ug/l	87
15) Acrylonitrile	5.38	53	35996	100.907	ug/l	98
16) Acetone	4.13	43	27439	82.663	ug/l	99
17) Carbon Disulfide	4.39	76	123075	20.893	ug/l	99
18) Methyl Acetate	4.68	43	17716	20.163	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	96568	21.222	ug/l	98
20) Methylene Chloride	4.92	84	44629	20.515	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	47161	20.978	ug/l	96
22) Diisopropyl ether	6.32	45	106634	21.137	ug/l	91
23) Vinyl Acetate	6.26	43	313028	105.738	ug/l	97
24) 1,1-Dichloroethane	6.23	63	73975	21.158	ug/l	99
25) 2-Butanone	7.17	43	43486	98.744	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	75472	20.519	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51656	21.283	ug/l	99
28) Bromochloromethane	7.51	49	26680	20.988	ug/l #	75
29) Tetrahydrofuran	7.53	42	28714	104.654	ug/l	90
30) Chloroform	7.68	83	80296	21.279	ug/l	98
31) Cyclohexane	7.96	56	74302	21.142	ug/l #	85
32) 1,1,1-Trichloroethane	7.88	97	77383	21.248	ug/l	99
36) 1,1-Dichloropropene	8.09	75	64983	21.031	ug/l	99
37) Ethyl Acetate	7.26	43	20747	20.689	ug/l #	97
38) Carbon Tetrachloride	8.07	117	69703	20.643	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82681	20.104	ug/l	96
40) Benzene	8.32	78	171309	20.755	ug/l	99
41) Methacrylonitrile	7.49	41	12394	20.599	ug/l	93
42) 1,2-Dichloroethane	8.40	62	50132	20.632	ug/l	100
43) Isopropyl Acetate	8.43	43	43030	20.459	ug/l	95
44) Trichloroethene	9.10	130	52618	20.841	ug/l	91
45) 1,2-Dichloropropane	9.37	63	40127	20.906	ug/l	100
46) Dibromomethane	9.46	93	22974	20.691	ug/l #	89
47) Bromodichloromethane	9.65	83	62128	20.931	ug/l	99
48) Methyl methacrylate	9.43	41	19053	19.163	ug/l #	84
49) 1,4-Dioxane	9.45	88	5155	348.268	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	99454	100.734	ug/l	98
52) Toluene	10.39	92	115403	19.978	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	59120	20.200	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	70691	20.780	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	32130	20.666	ug/l	93
56) Ethyl methacrylate	10.65	69	39610	19.776	ug/l	91
57) 1,3-Dichloropropane	10.93	76	53134	20.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	97381	104.871	ug/l	91
59) 2-Hexanone	10.97	43	65813	93.382	ug/l	97
60) Dibromochloromethane	11.13	129	43044	20.969	ug/l	100
61) 1,2-Dibromoethane	11.24	107	30996	20.432	ug/l	100
64) Tetrachloroethene	10.86	164	46491	20.713	ug/l	91
65) Chlorobenzene	11.66	112	124018	20.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46799	21.100	ug/l	96
67) Ethyl Benzene	11.73	91	231094	20.081	ug/l	100
68) m/p-Xylenes	11.84	106	179387	39.767	ug/l	99
69) o-Xylene	12.16	106	83887	19.923	ug/l	99
70) Styrene	12.18	104	142764	19.891	ug/l	99
71) Bromoform	12.35	173	24857	19.890	ug/l #	98
73) Isopropylbenzene	12.46	105	231451	20.616	ug/l	100
74) N-amyl acetate	12.27	43	39548	20.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	33206	20.832	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22063m	17.613	ug/l	
77) Bromobenzene	12.74	156	55432	21.490	ug/l	83
78) n-propylbenzene	12.80	91	271038	20.735	ug/l	97
79) 2-Chlorotoluene	12.89	91	152894	20.755	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	201982	20.885	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11867	20.709	ug/l	93
82) 4-Chlorotoluene	12.99	91	160230	20.486	ug/l	98
83) tert-Butylbenzene	13.21	119	173349	20.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	195808	20.528	ug/l	99
85) sec-Butylbenzene	13.38	105	237586	20.353	ug/l	97
86) p-Isopropyltoluene	13.50	119	221614	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106890	20.857	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	103576	20.617	ug/l	98
89) n-Butylbenzene	13.82	91	203502	20.526	ug/l	97
90) Hexachloroethane	14.09	117	41209	20.716	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	91177	20.473	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5650	19.586	ug/l	87

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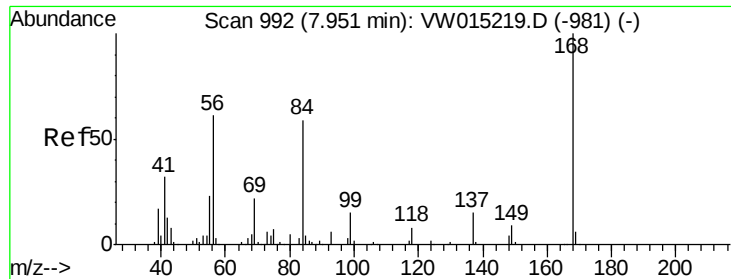
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64054	20.692	ug/l	98
94) Hexachlorobutadiene	15.24	225	43421	21.039	ug/l	99
95) Naphthalene	15.36	128	101385	20.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52334	20.779	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:168 Resp: 232401

Ion Ratio Lower Upper

168 100

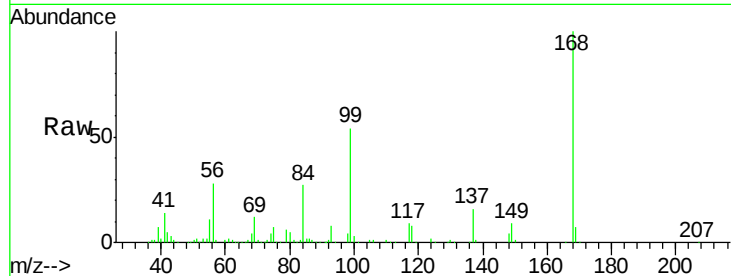
99 53.7 48.5 72.7

Manual Integrations

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4/21/2020 10:00:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

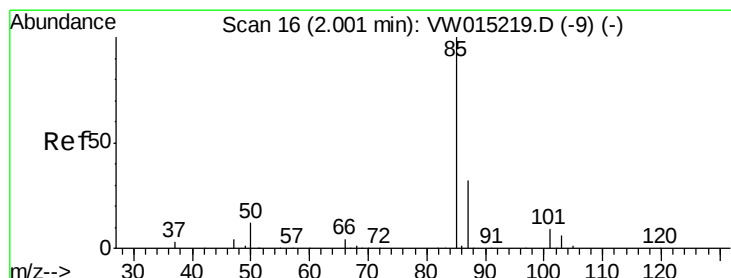
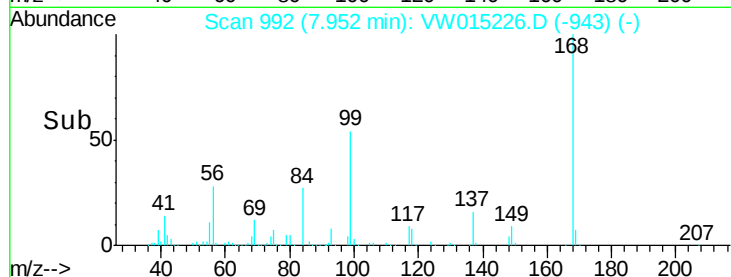
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.743 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015226.D

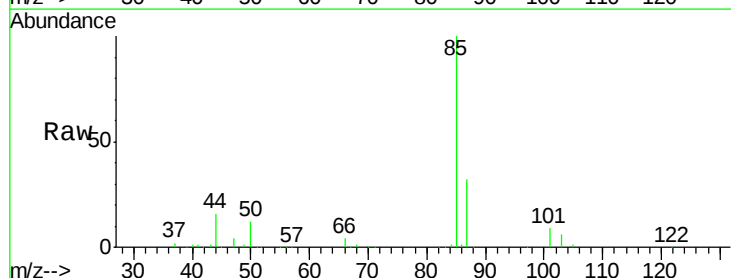
Acq: 20 Apr 2020 16:46

Tgt Ion: 85 Resp: 38069

Ion Ratio Lower Upper

85 100

87 31.7 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

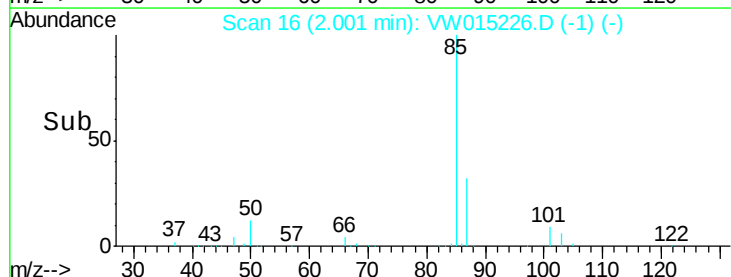
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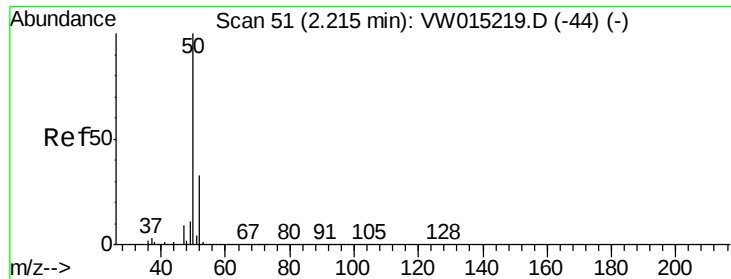
20000

10000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.818 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 50 Resp: 41606

Ion Ratio Lower Upper

50 100

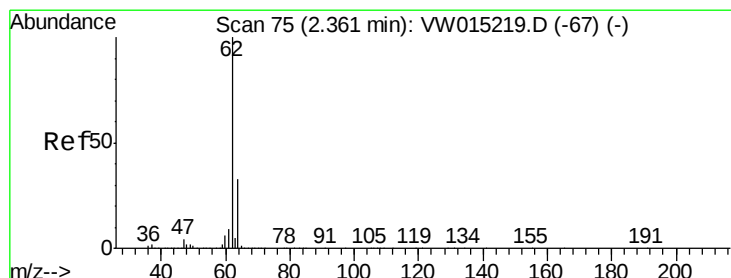
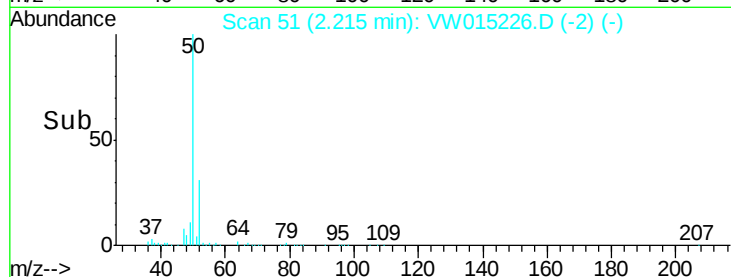
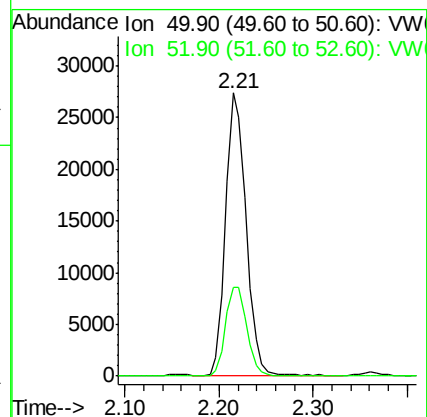
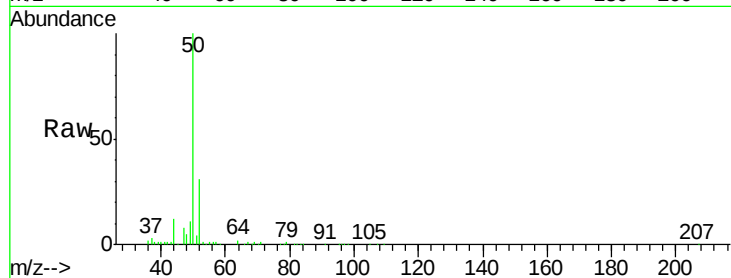
52 31.5 26.5 39.7

Manual Integrations

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4/21/2020 10:00:55 AM



#4

Vinyl Chloride

Concen: 20.735 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015226.D

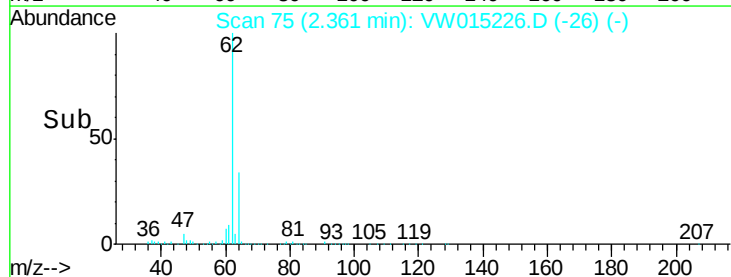
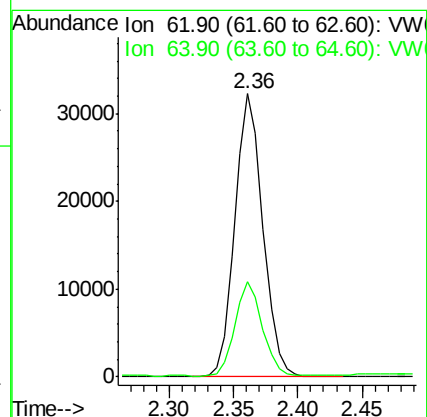
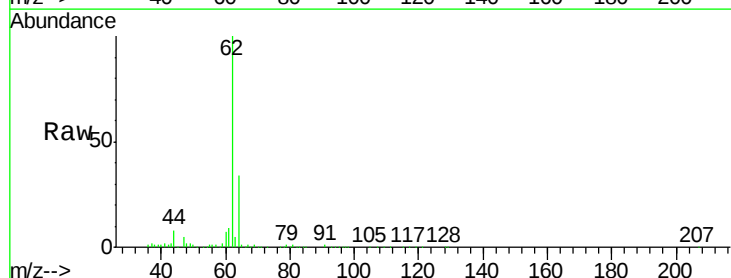
Acq: 20 Apr 2020 16:46

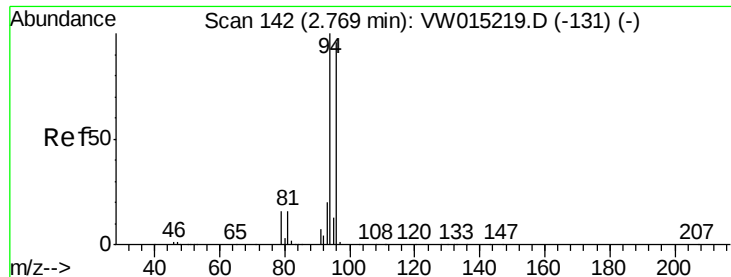
Tgt Ion: 62 Resp: 48935

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.2





#5

Bromomethane

Concen: 22.464 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

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ClientSampleId :

VW0420SBS01

Tot Ion: 94 Resp: 37695

Ion Ratio Lower Upper

94 100

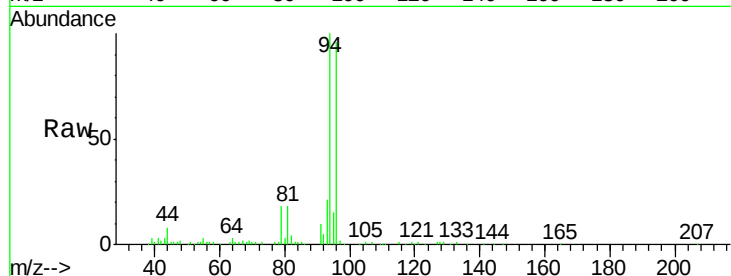
96 95.8 70.4 105.6

Manual Integrations

APPROVED

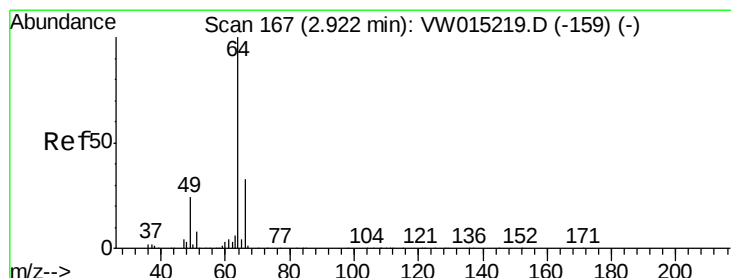
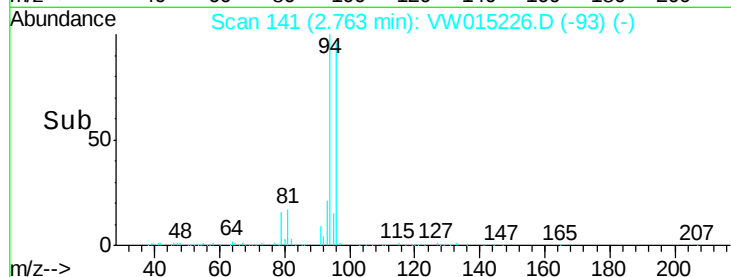
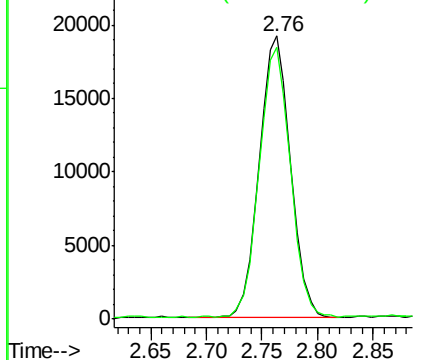
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4/21/2020 10:00:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.930 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015226.D

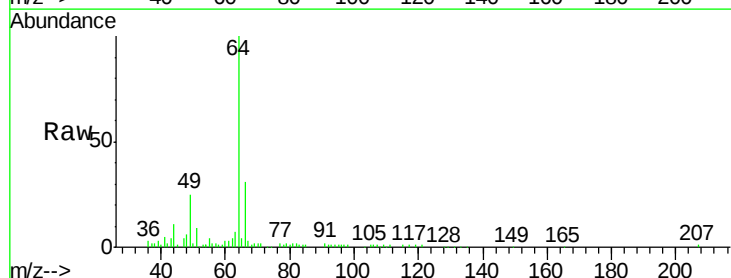
Acq: 20 Apr 2020 16:46

Tgt Ion: 64 Resp: 29175

Ion Ratio Lower Upper

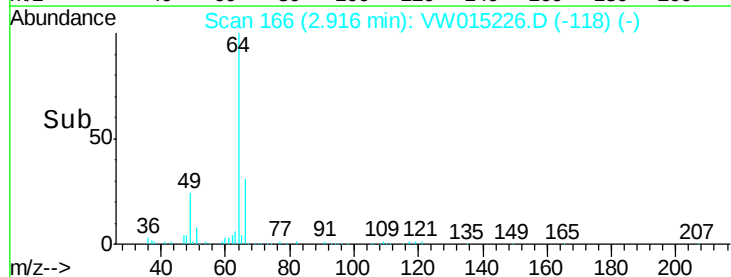
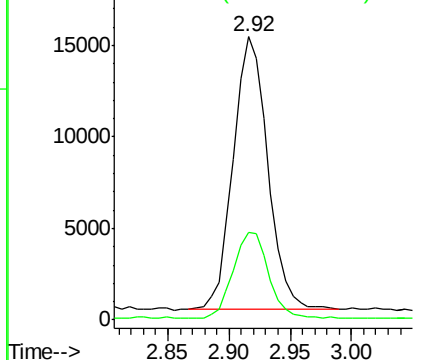
64 100

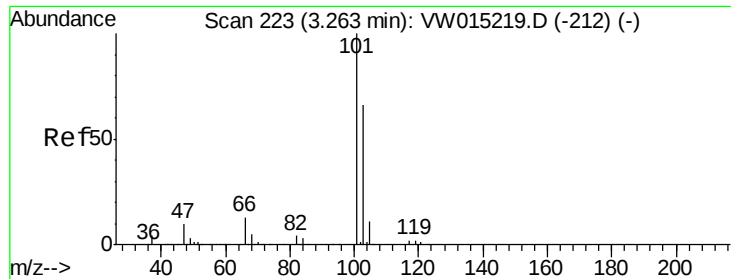
66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

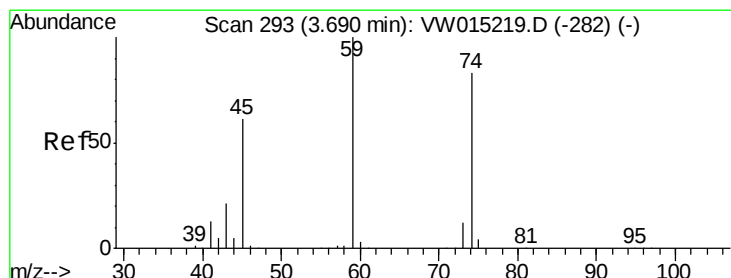
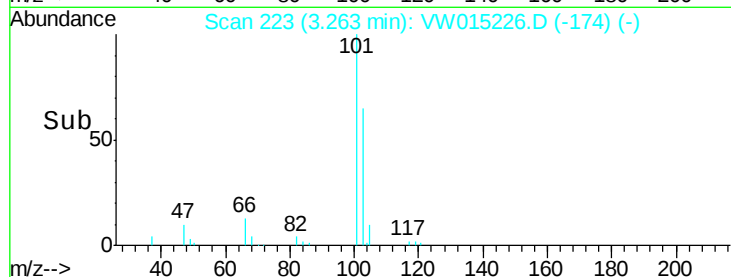
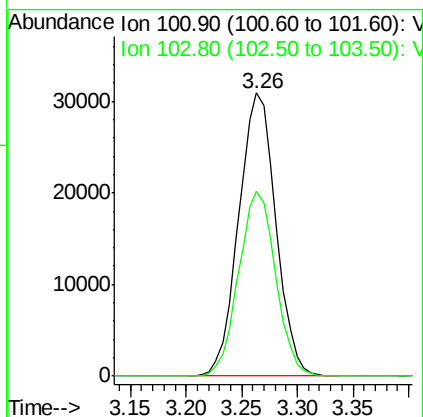
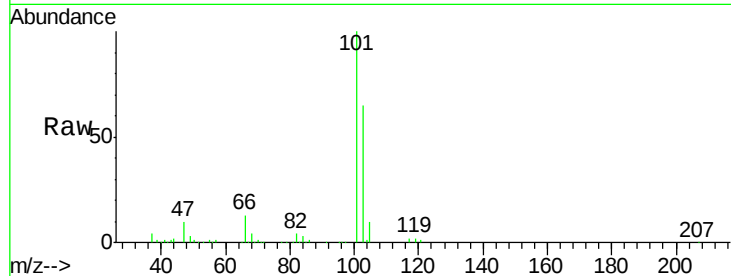
Trichlorofluoromethane
Concen: 21.432 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9

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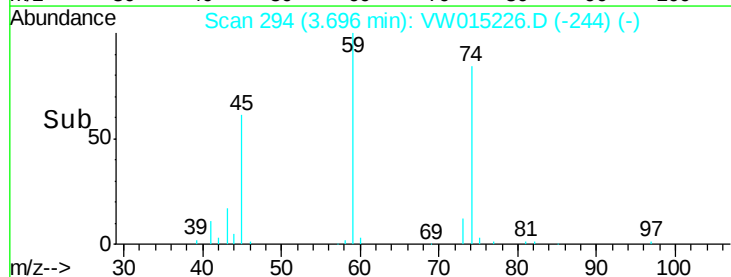
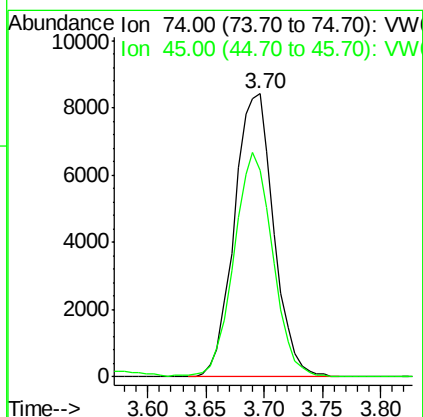
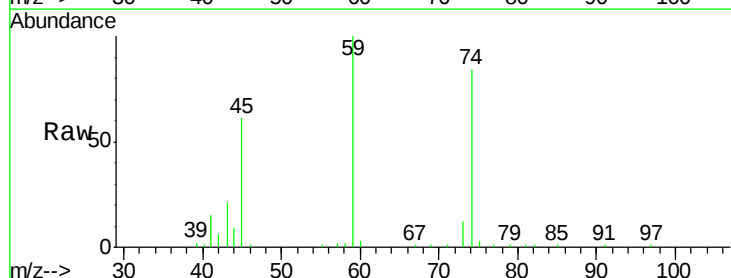
MMDadoda
4/21/2020 10:00:55 AM

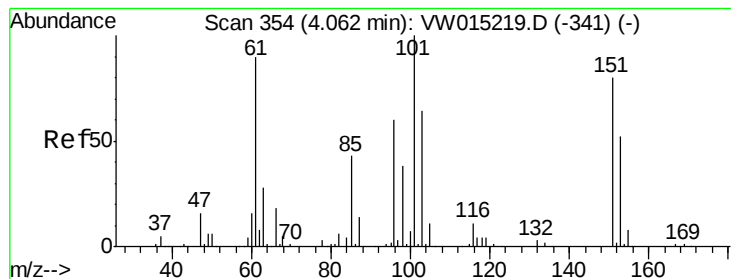


#8

Diethyl Ether
Concen: 21.167 ug/l
RT: 3.70 min Scan# 294
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.661 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

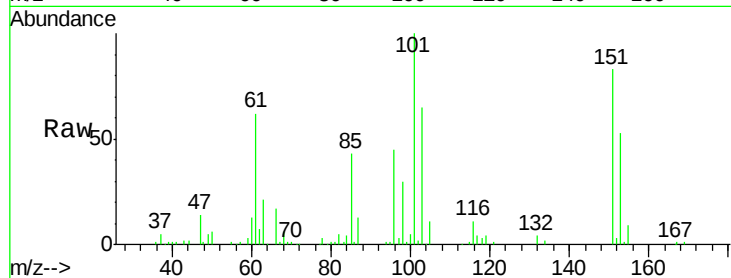
ClientSampleId :

VW0420SBS01

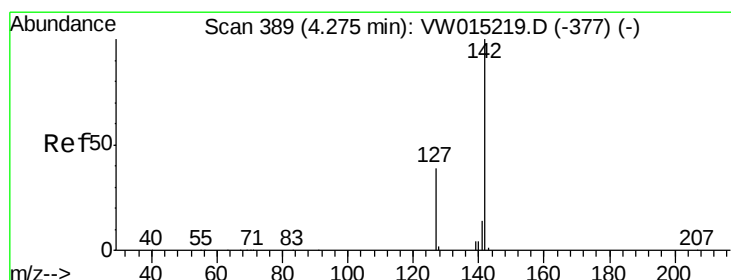
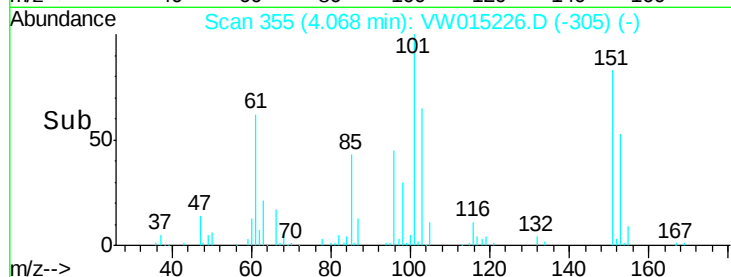
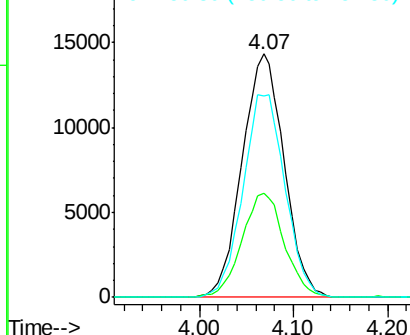
Tot Ion:	101	Resp:	44610
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.3	52.9
151	83.5	59.3	88.9

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4/21/2020 10:00:55 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.756 ug/l

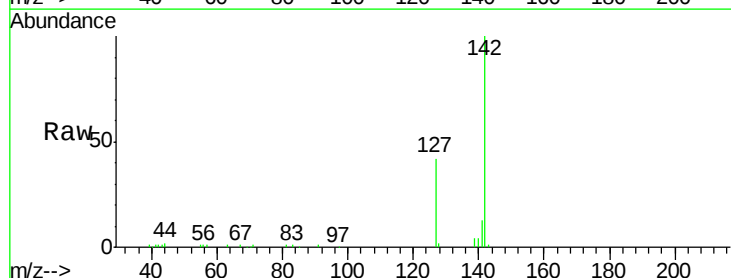
RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

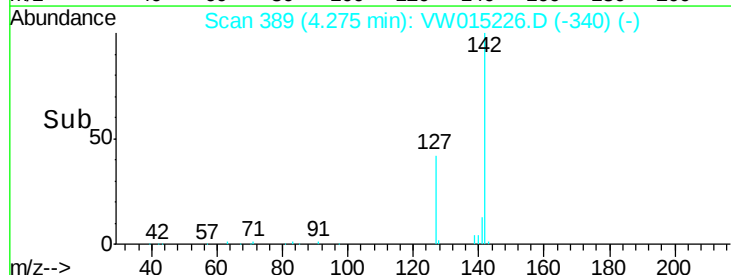
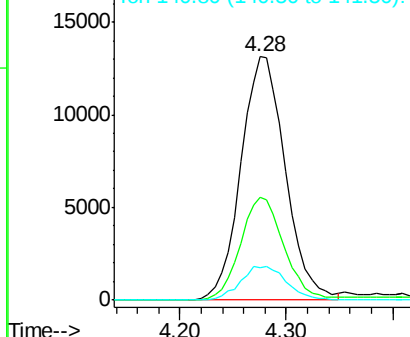
Lab File: VW015226.D

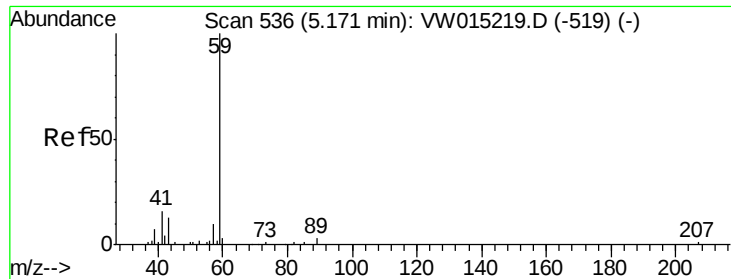
Acq: 20 Apr 2020 16:46

Tgt Ion:	142	Resp:	38408
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.9	50.9
141	14.4	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

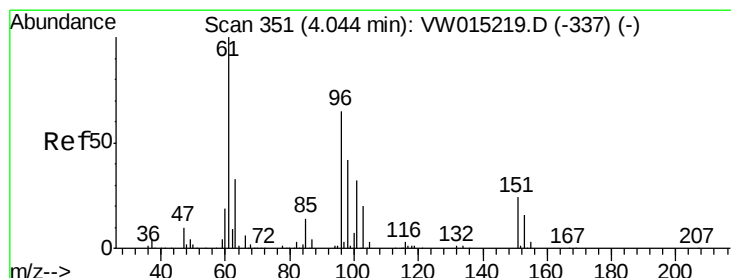
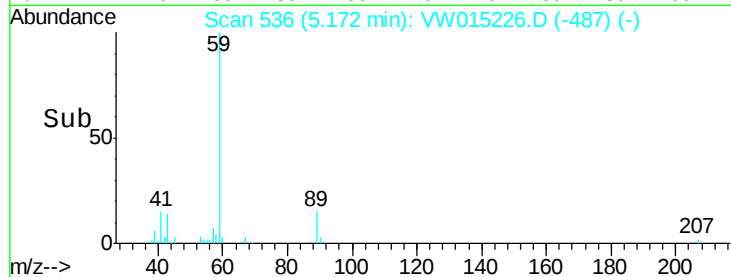
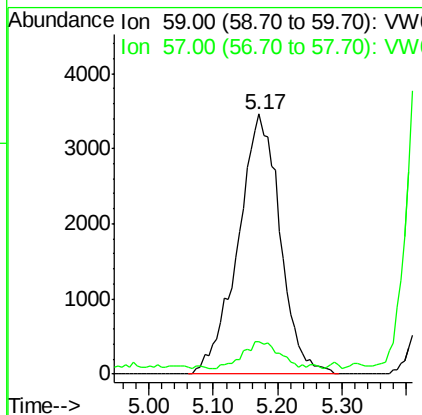
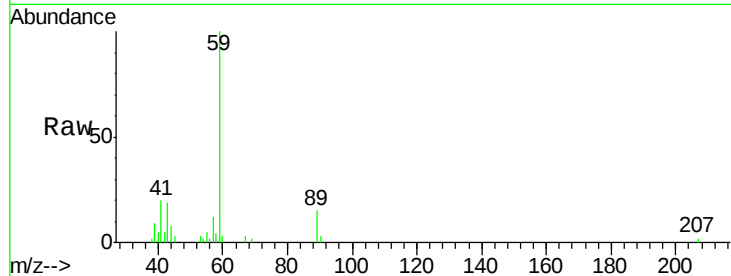
Tert butyl alcohol
Concen: 100.834 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.4	12.6

Manual Integrations
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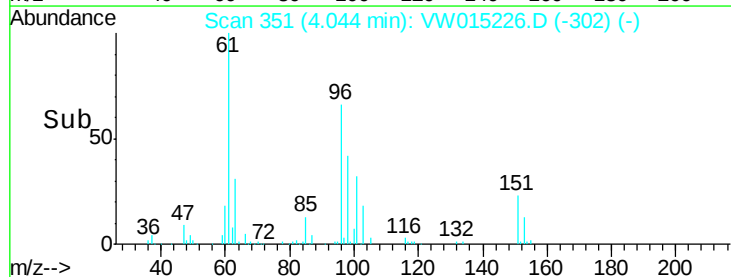
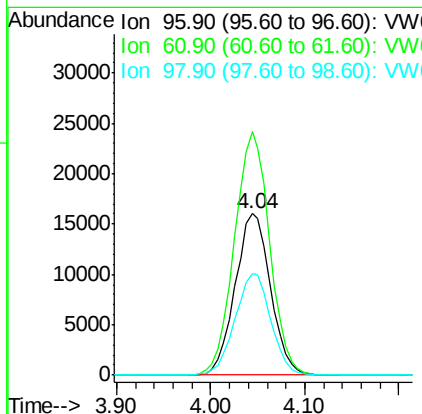
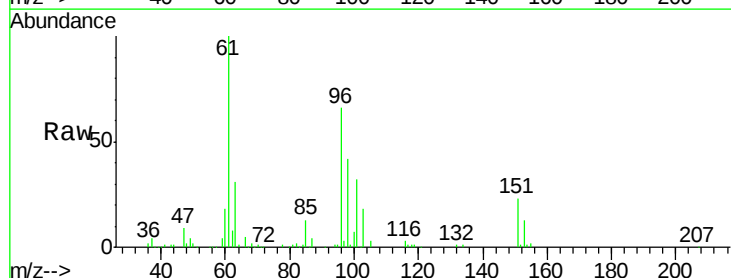
MMDadoda
4/21/2020 10:00:55 AM

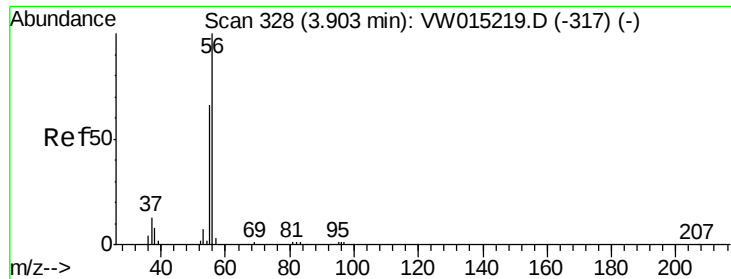


#12

1,1-Dichloroethene
Concen: 21.224 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	127.0	190.4
98	63.1	51.0	76.4





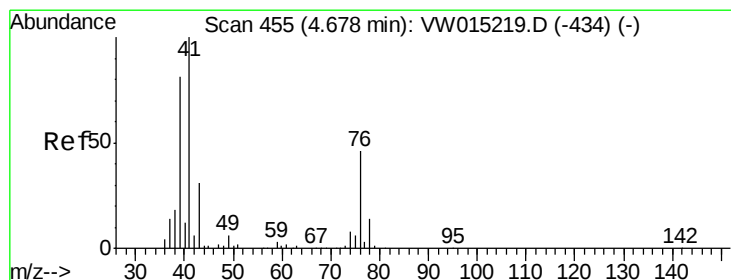
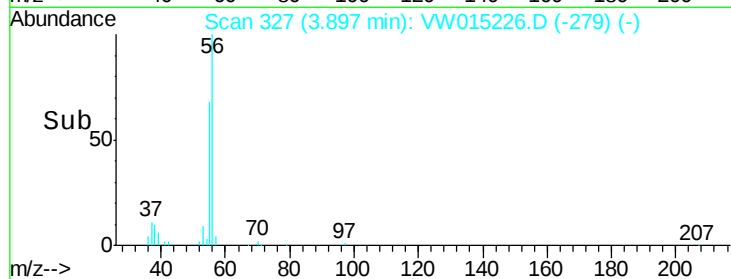
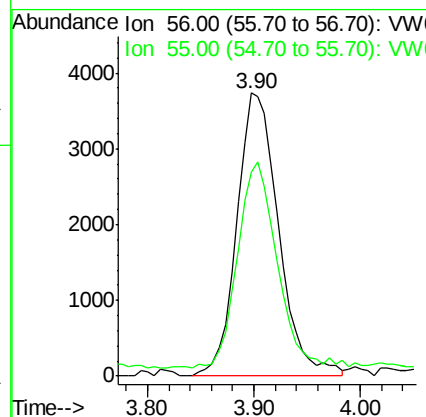
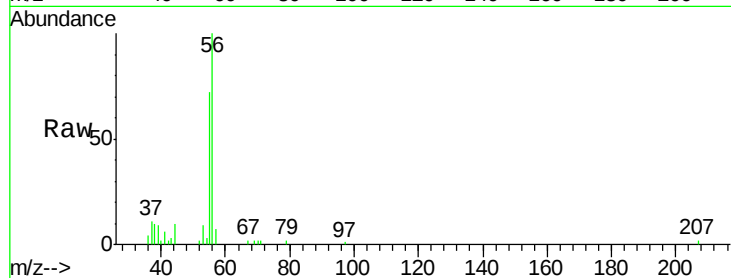
#13
Acrolein
Concen: 126.918 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	56	Resp	10291
Ion Ratio	100	Lower	Upper
55	68.0	56.2	84.2

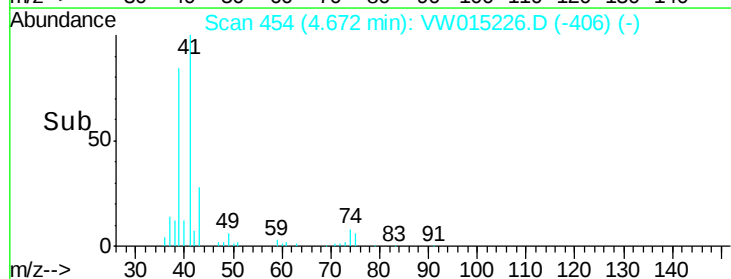
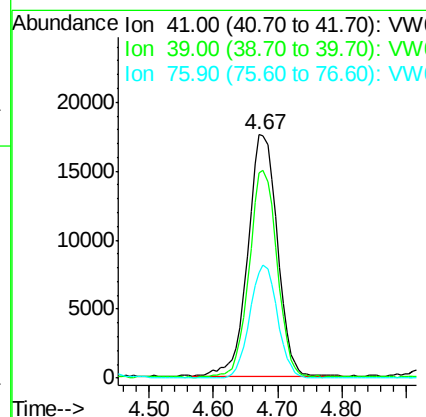
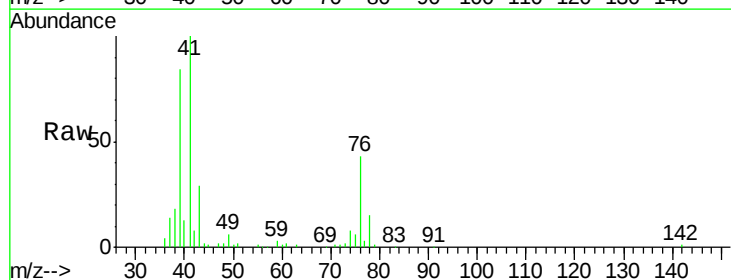
Manual Integrations
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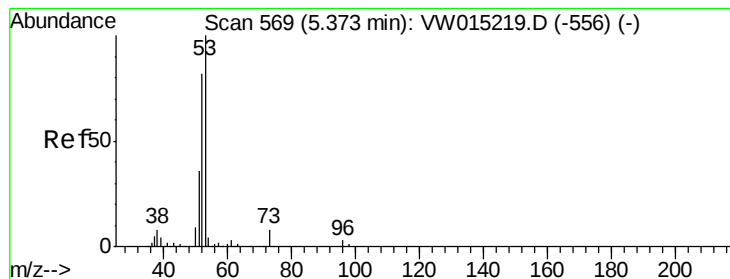
MMDadoda
4/21/2020 10:00:55 AM



#14
Allyl chloride
Concen: 20.927 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	41	Resp	55031
Ion Ratio	100	Lower	Upper
39	80.9	54.0	81.0
76	43.6	31.8	47.6





#15

Acrylonitrile

Concen: 100.907 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

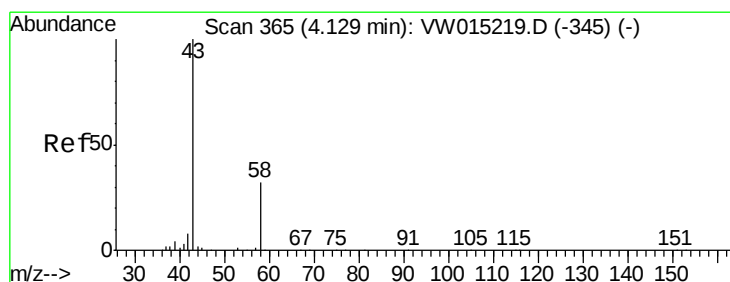
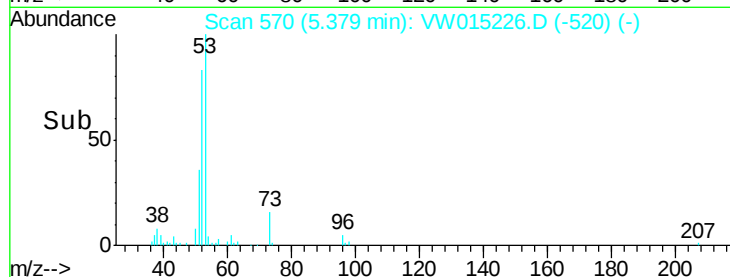
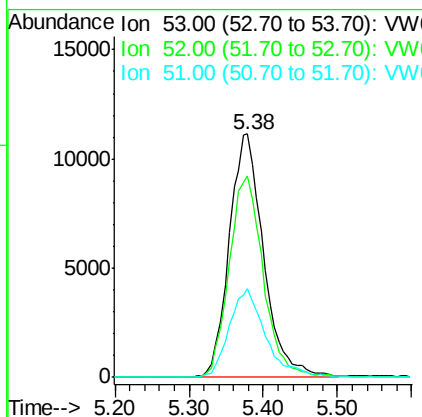
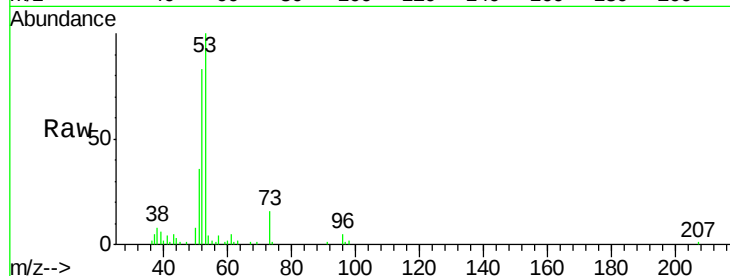
ClientSampled :

VW0420SBS01

Tot Ion:	53	Resp:	35996
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.2	97.8
51	38.3	28.2	42.4

Manual Integrations
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4/21/2020 10:00:55 AM



#16

Acetone

Concen: 82.663 ug/l

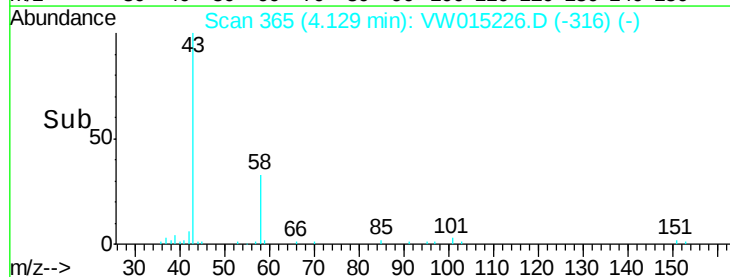
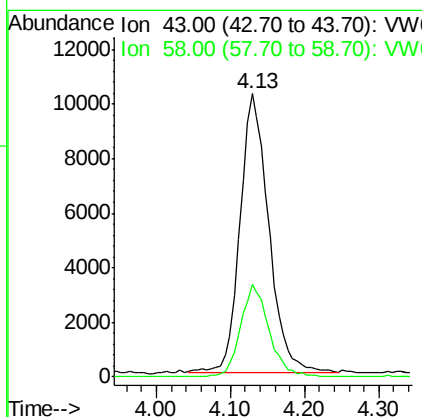
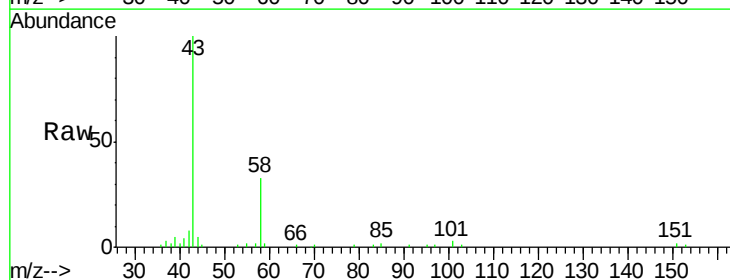
RT: 4.13 min Scan# 365

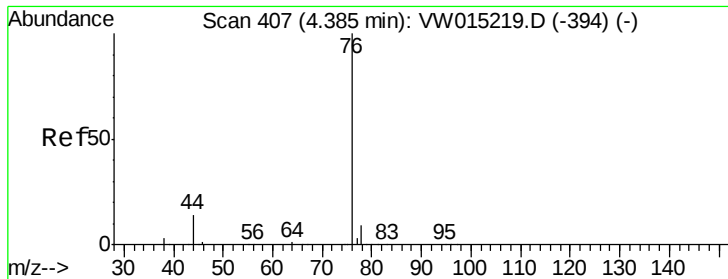
Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion:	43	Resp:	27439
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.0	40.4





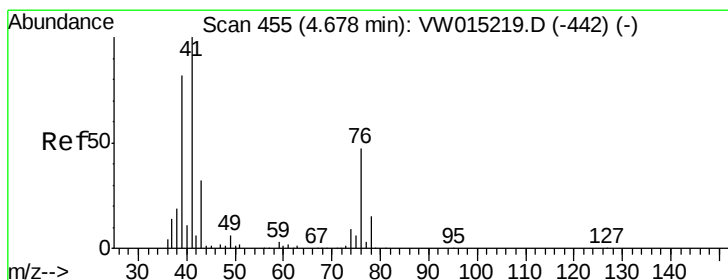
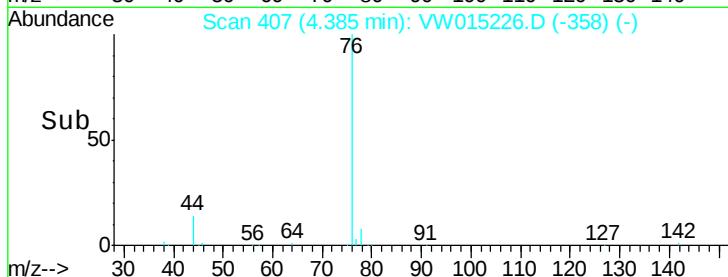
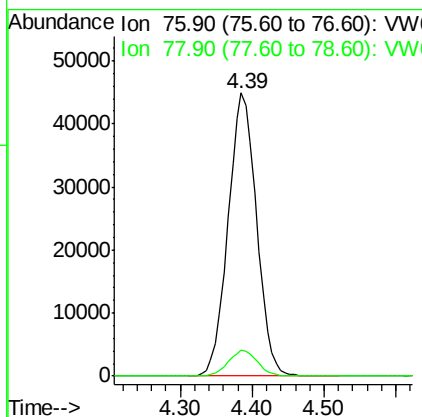
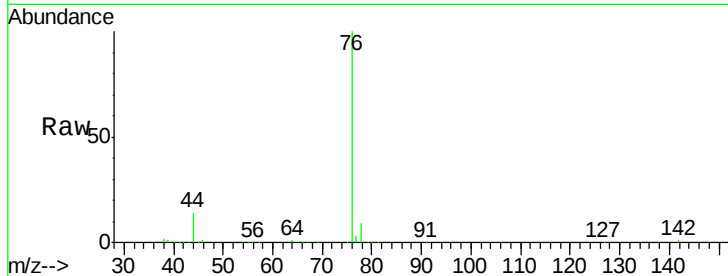
#17
Carbon Disulfide
Concen: 20.893 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

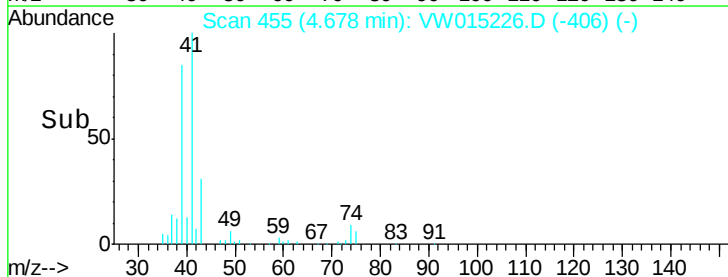
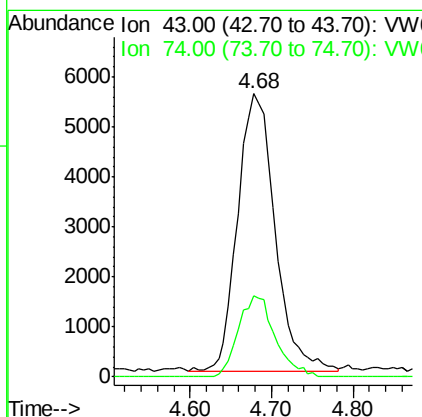
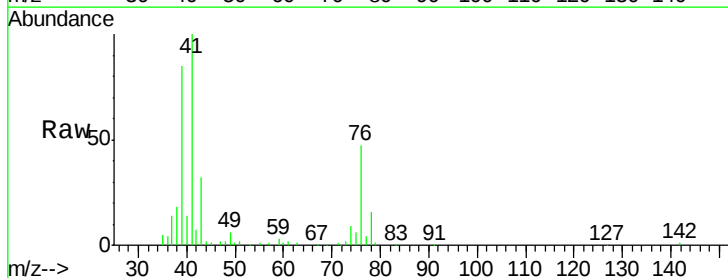
Manual Integrations
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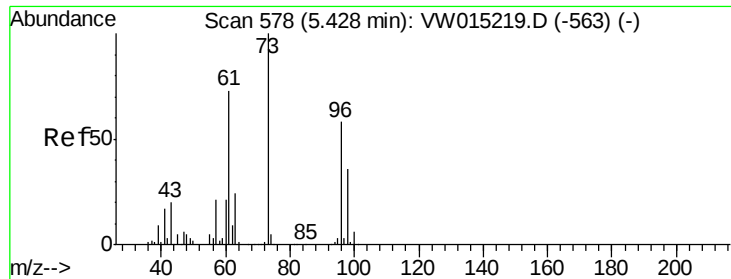
MMDadoda
4/21/2020 10:00:55 AM



#18
Methyl Acetate
Concen: 20.163 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	20.6	31.0





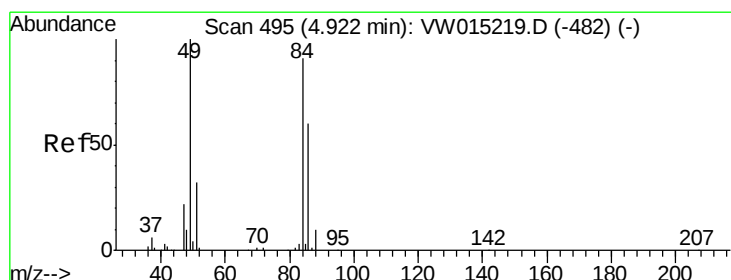
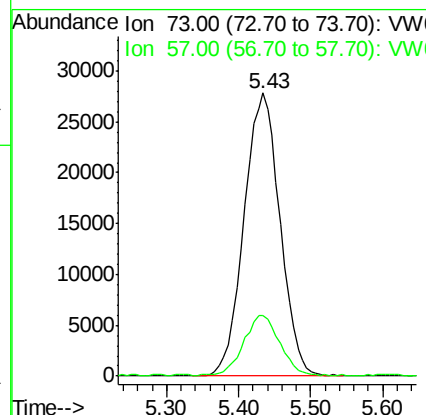
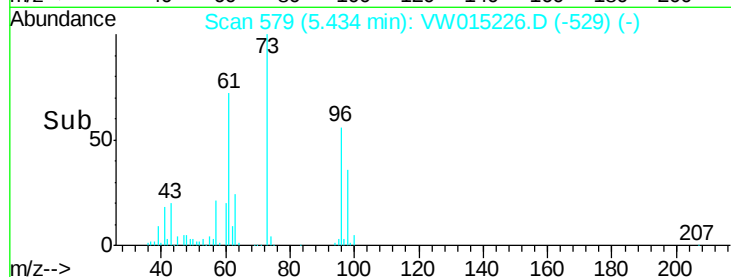
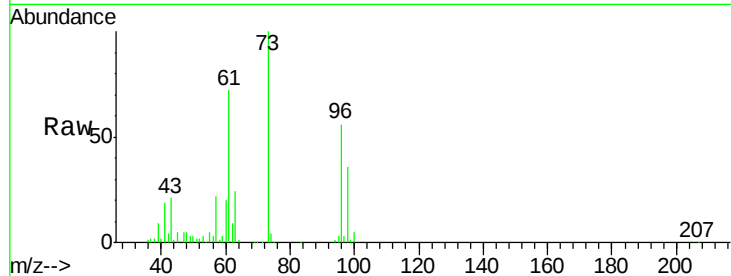
#19
Methvl tert-butvl Ether
Concen: 21.222 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 73 Resp: 96568
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6

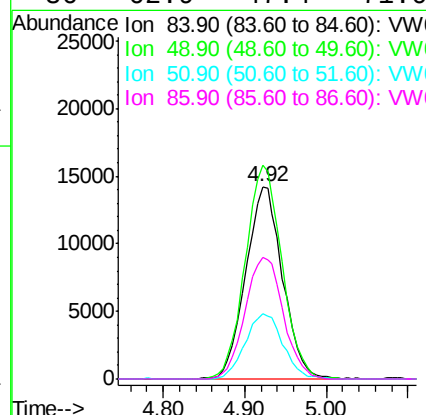
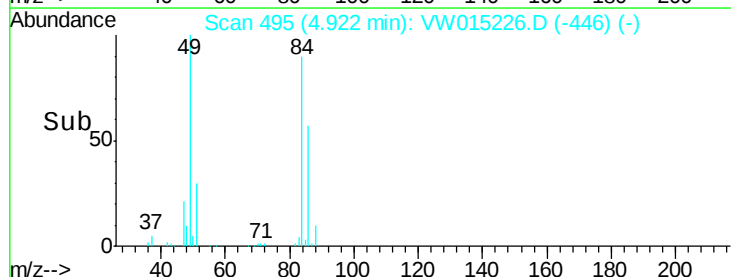
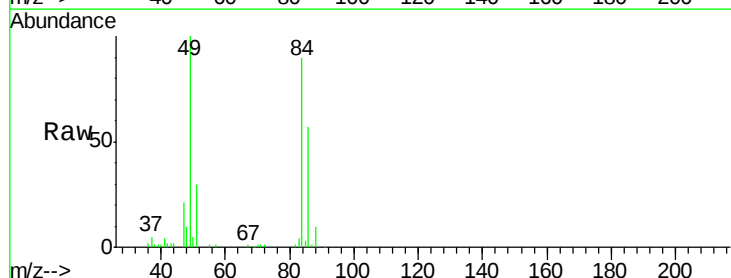
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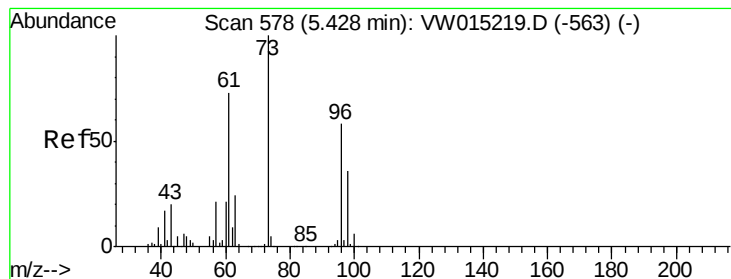
MMDadoda
4/21/2020 10:00:55 AM



#20
Methylene Chloride
Concen: 20.515 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 84 Resp: 44629
Ion Ratio Lower Upper
84 100
49 111.0 95.4 143.0
51 33.9 29.8 44.8
86 62.9 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 20.978 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 96 Resp: 47161

Ion Ratio Lower Upper

96 100

61 128.7 107.8 161.6

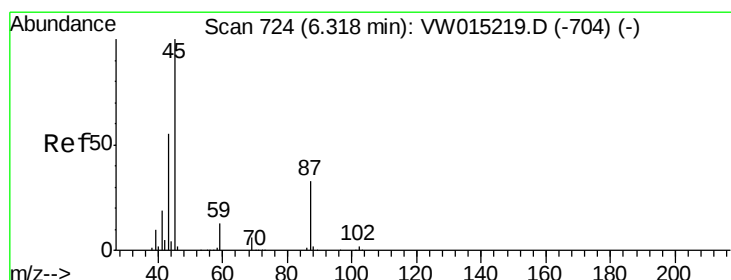
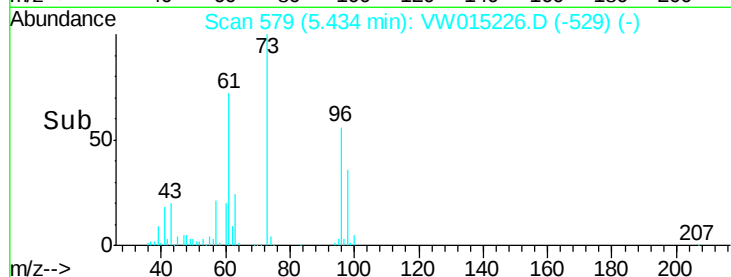
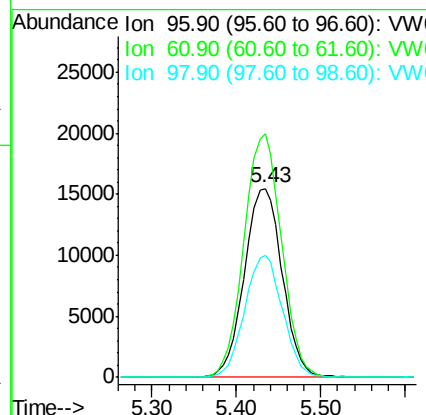
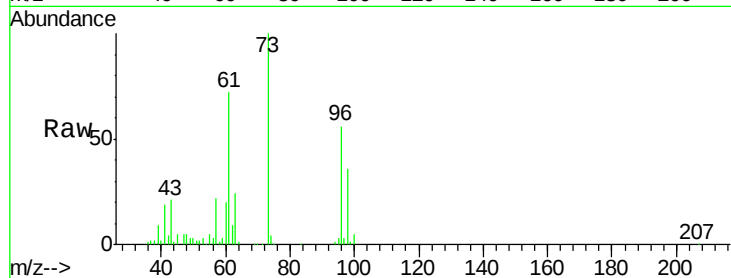
98 64.7 50.2 75.2

Manual Integrations

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4/21/2020 10:00:55 AM



#22

Diisopropyl ether

Concen: 21.137 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion: 45 Resp: 106634

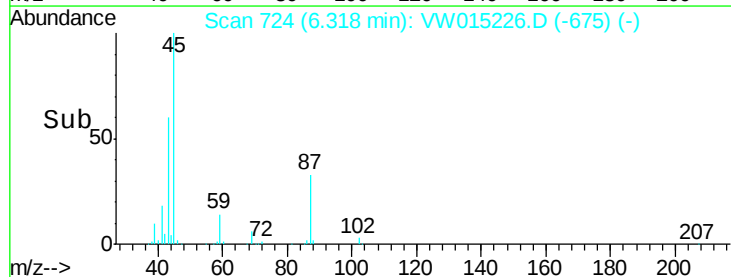
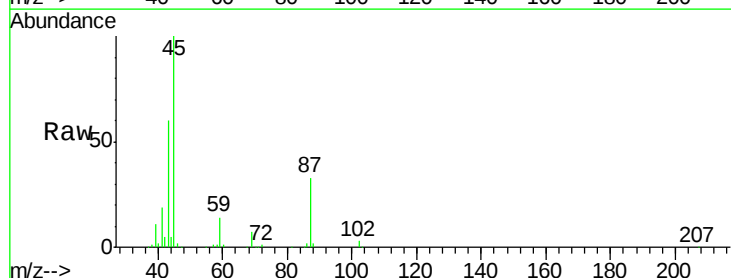
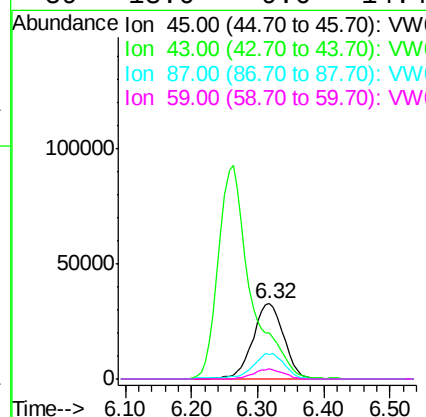
Ion Ratio Lower Upper

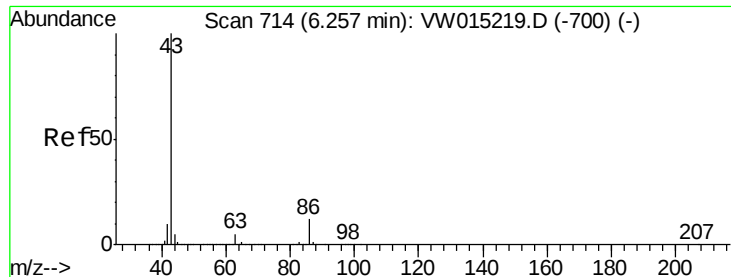
45 100

43 59.7 41.8 62.6

87 33.1 23.2 34.8

59 13.6 9.6 14.4





#23

Vinyl Acetate

Concen: 105.738 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

Tot Ion: 43 Resp: 313028

Ion Ratio Lower Upper

43 100

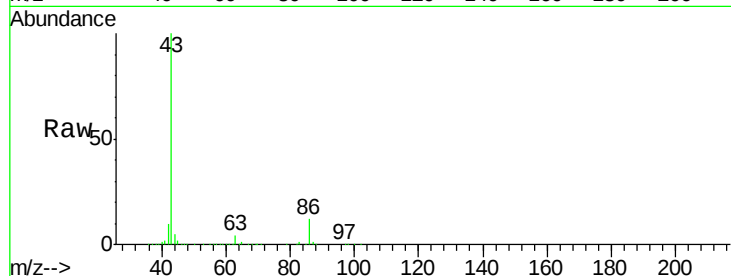
86 12.4 9.1 13.7

Manual Integrations

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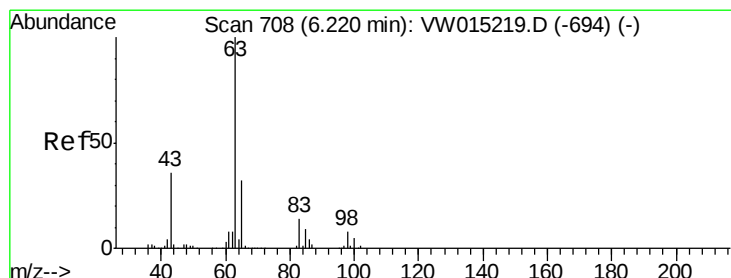
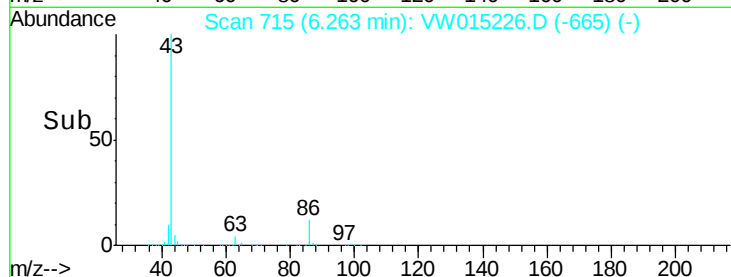
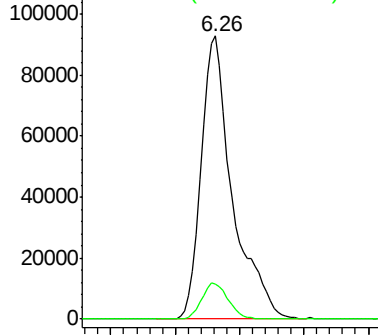
MMDadoda

4/21/2020 10:00:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.158 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

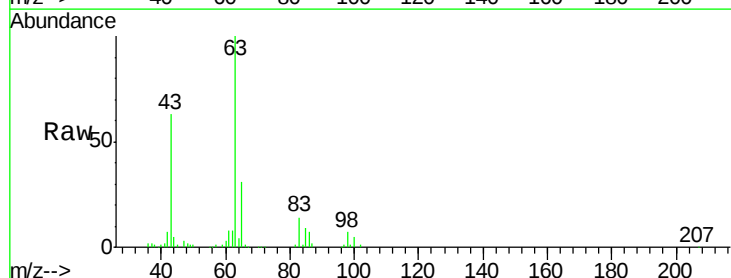
Tgt Ion: 63 Resp: 73975

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

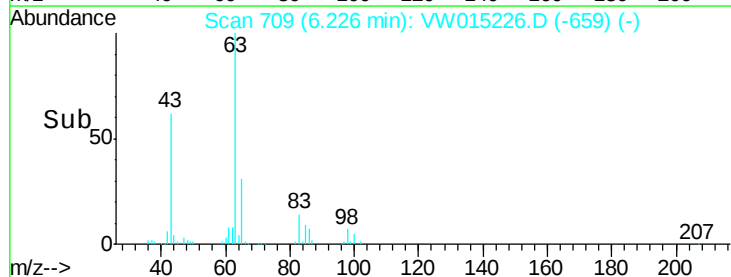
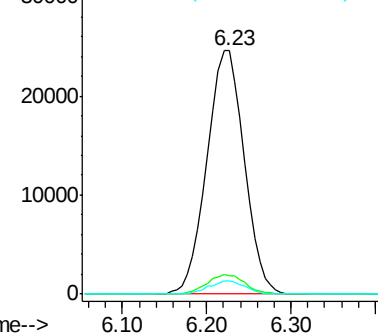
100 5.4 2.4 7.2

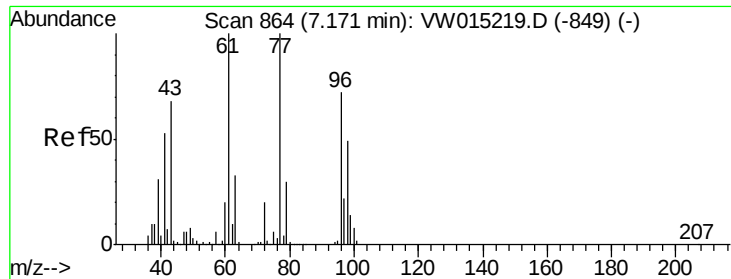


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





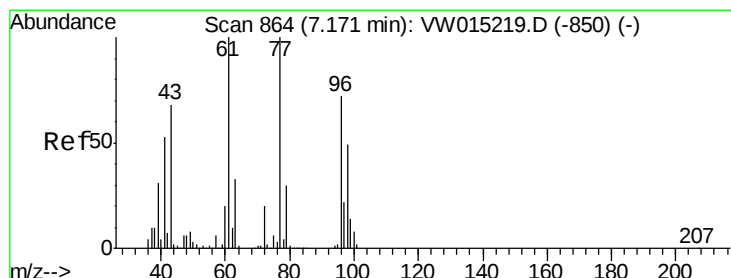
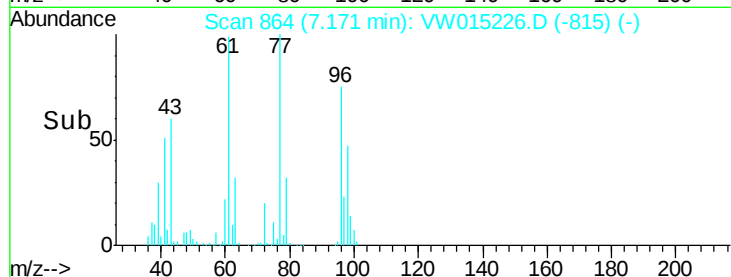
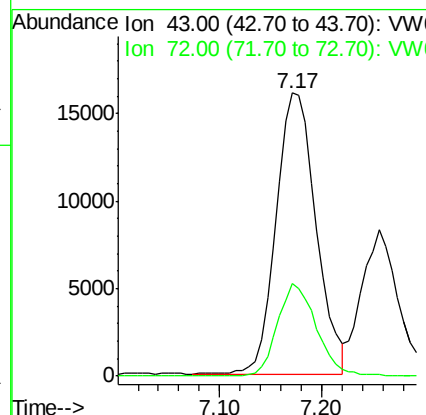
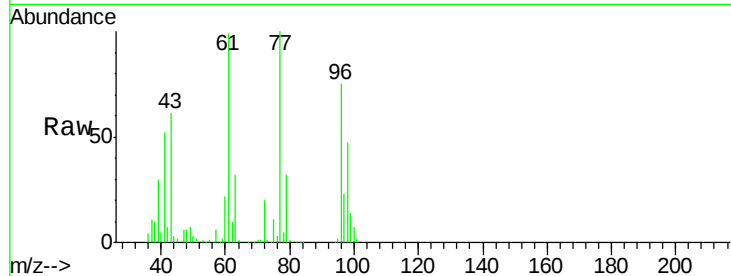
#25
2-Butanone
Concen: 98.744 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampled :
VW0420SBS01

Tot Ion: 43 Resp: 43486
Ion Ratio Lower Upper
43 100
72 33.2 21.6 32.4#

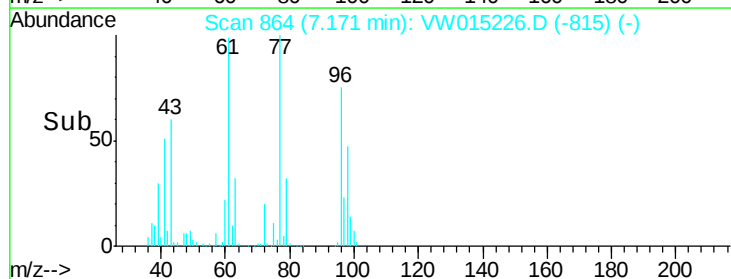
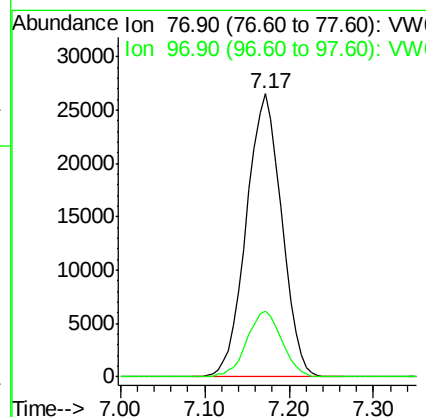
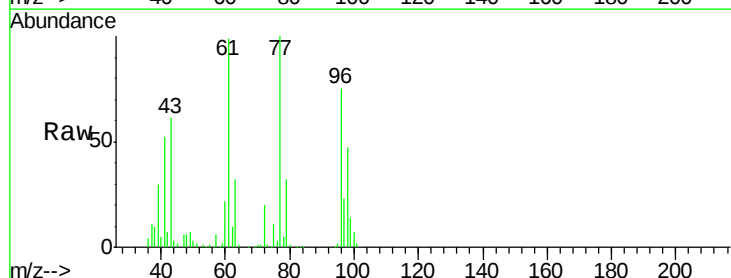
Manual Integrations
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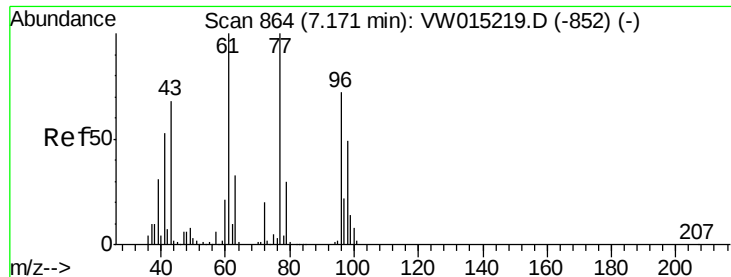
MMDadoda
4/21/2020 10:00:55 AM



#26
2,2-Dichloropropane
Concen: 20.519 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 77 Resp: 75472
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.5





#27

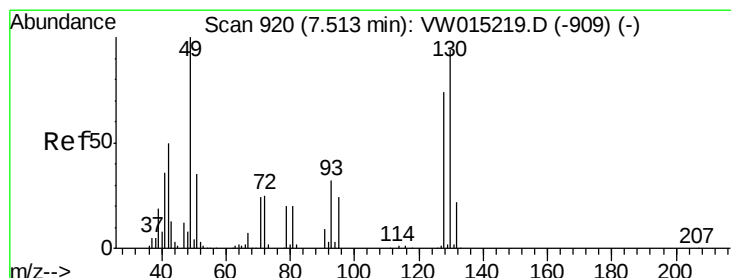
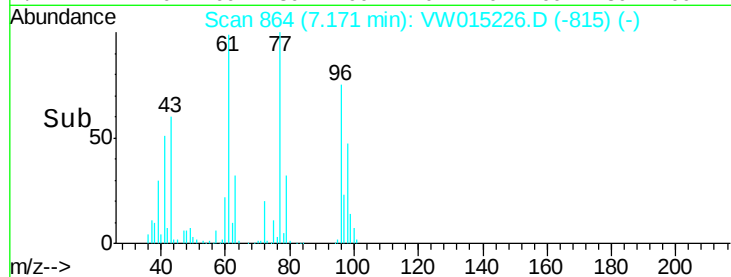
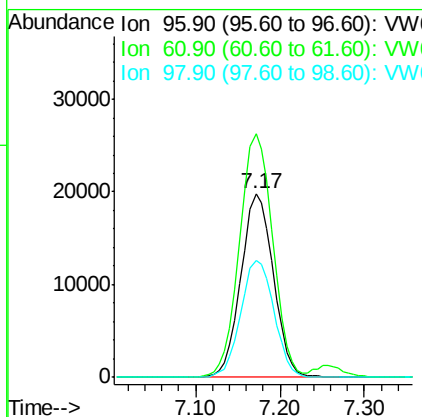
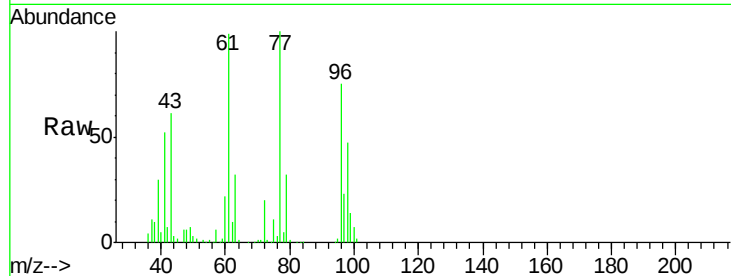
cis-1,2-Dichloroethene
Concen: 21.283 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.1	0.0	275.0	
98	65.1	0.0	130.8	

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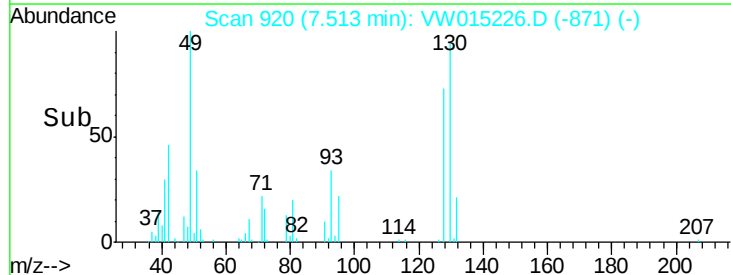
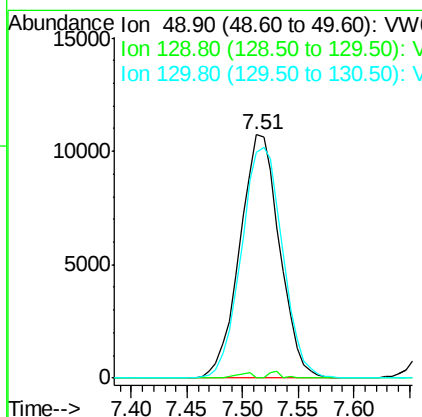
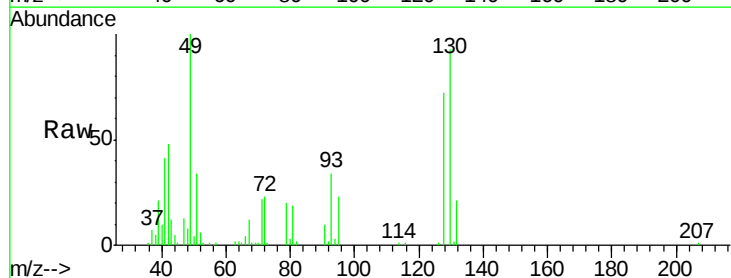
MMDadoda
4/21/2020 10:00:55 AM

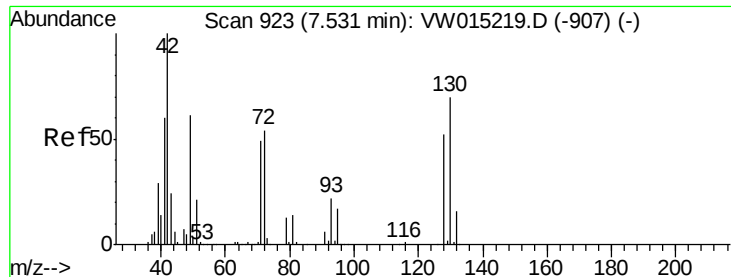


#28

Bromochloromethane
Concen: 20.988 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	4.6	
130	98.4	60.9	91.3#	





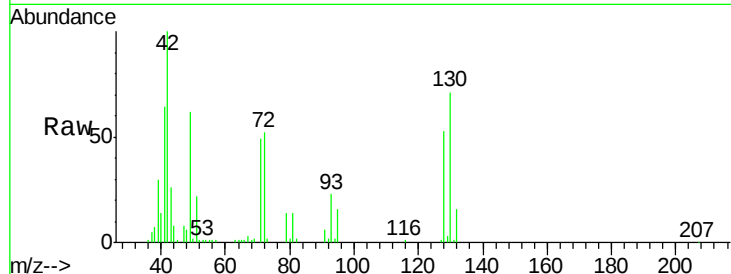
#29
Tetrahydrofuran
Concen: 104.654 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

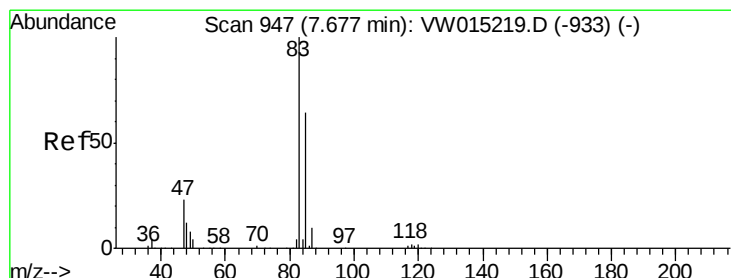
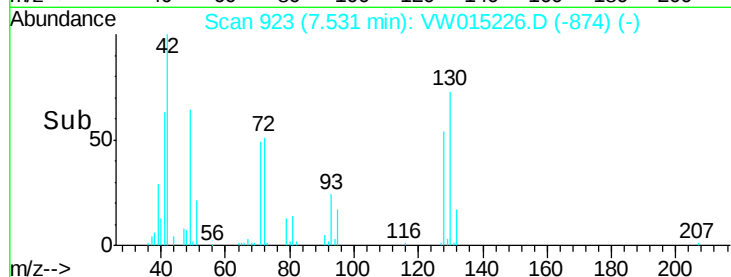
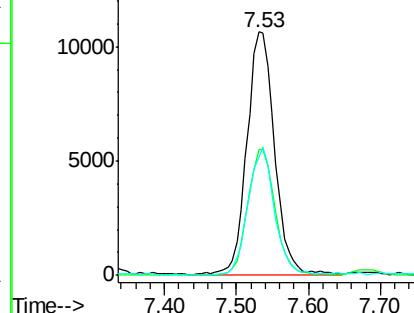
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	36.2	54.2
71	50.1	34.2	51.4

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4/21/2020 10:00:55 AM

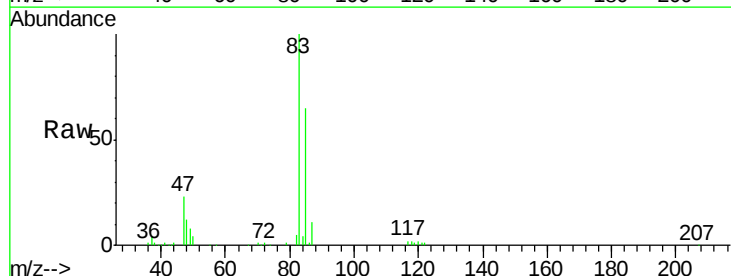


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

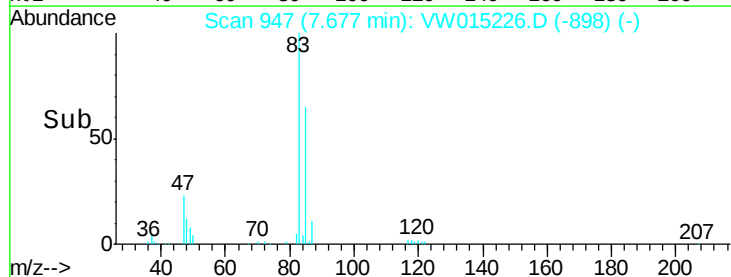
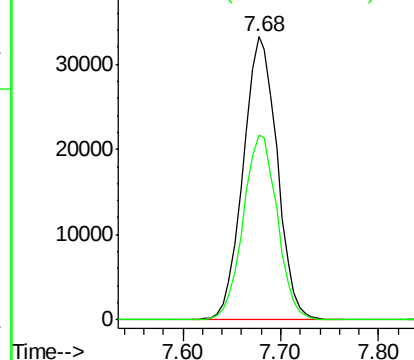


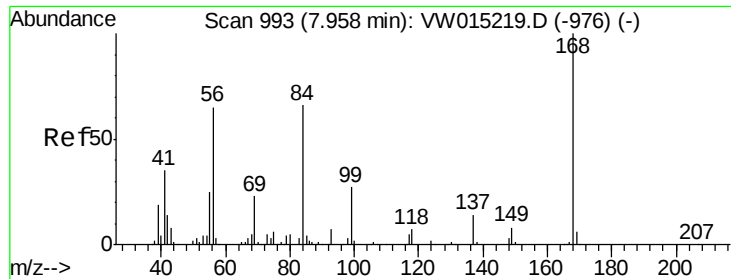
#30
Chloroform
Concen: 21.279 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





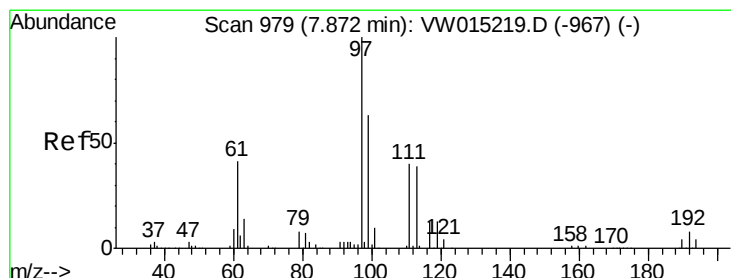
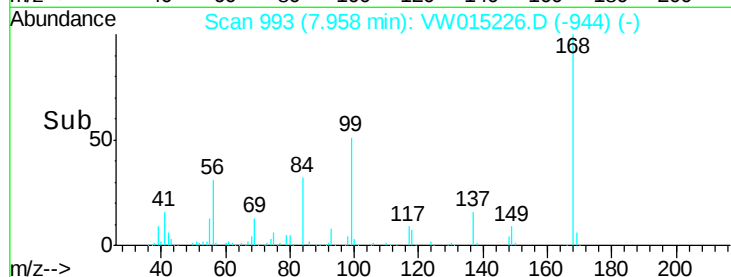
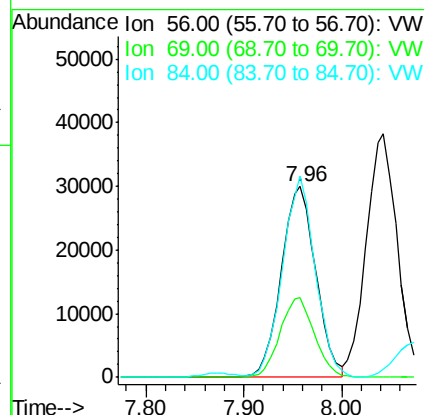
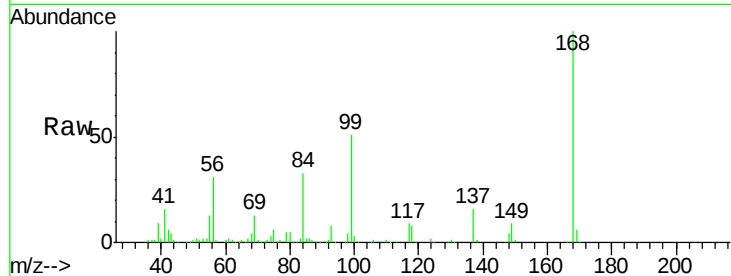
#31
Cyclohexane
Concen: 21.142 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 56 Resp: 74302
Ion Ratio Lower Upper
56 100
69 41.3 27.1 40.7#
84 104.6 71.9 107.9

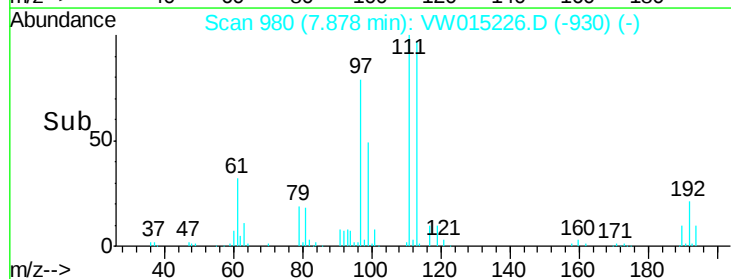
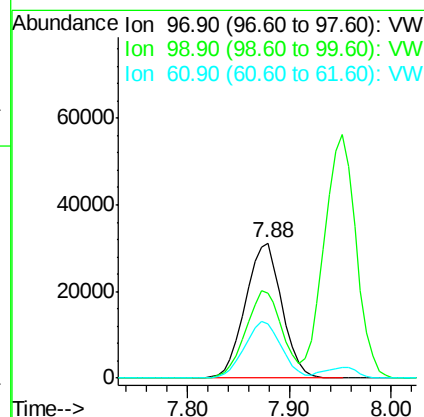
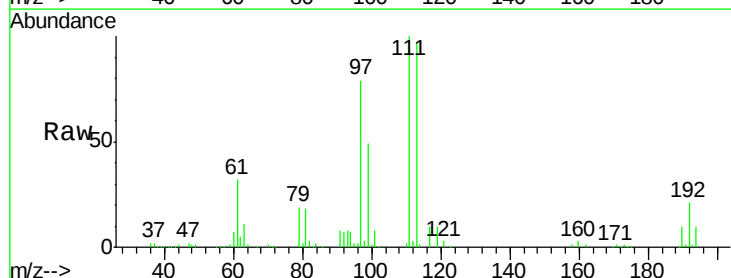
Manual Integrations
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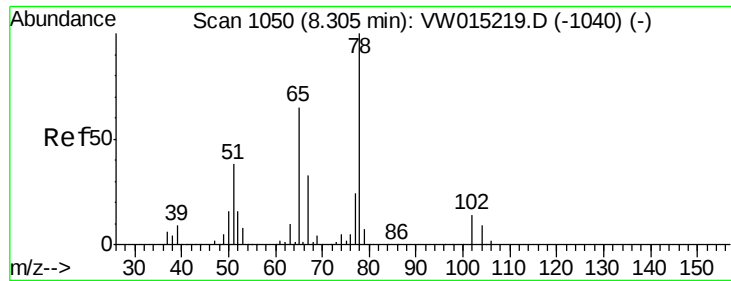
MMDadoda
4/21/2020 10:00:55 AM



#32
1,1,1-Trichloroethane
Concen: 21.248 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 97 Resp: 77383
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.2
61 42.6 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 55.821 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

Tot Ion: 65 Resp: 106086

Ion Ratio Lower Upper

65 100

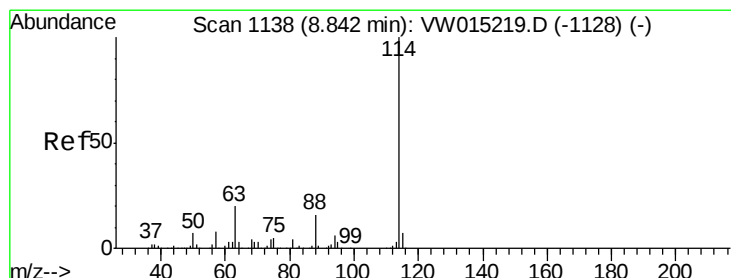
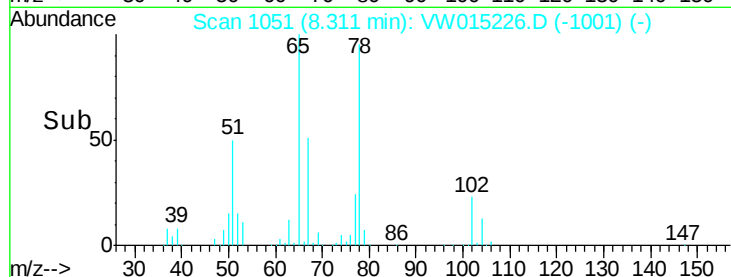
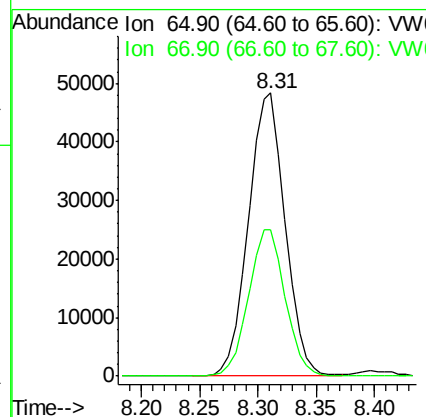
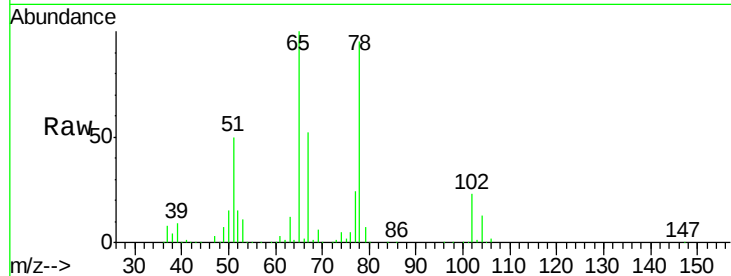
67 51.9 0.0 107.0

Manual Integrations

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MMDadoda

4/21/2020 10:00:55 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

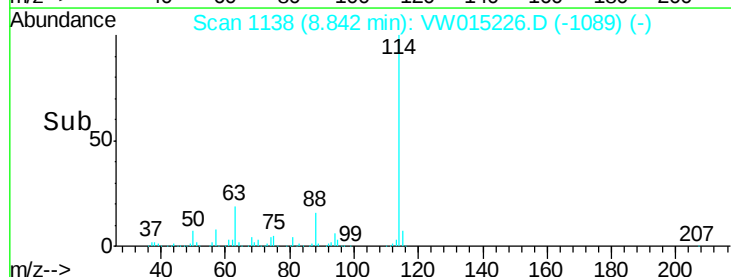
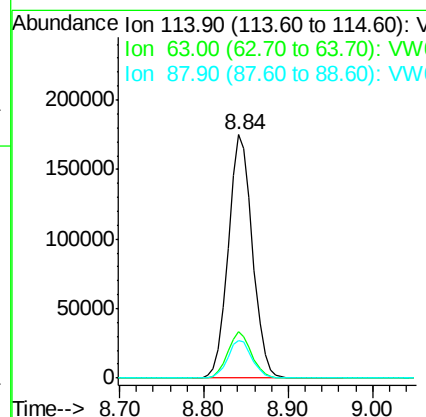
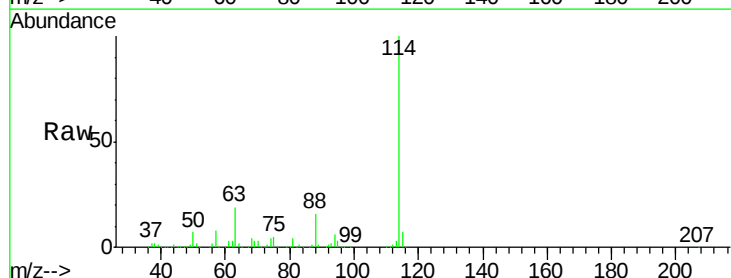
Tgt Ion: 114 Resp: 342344

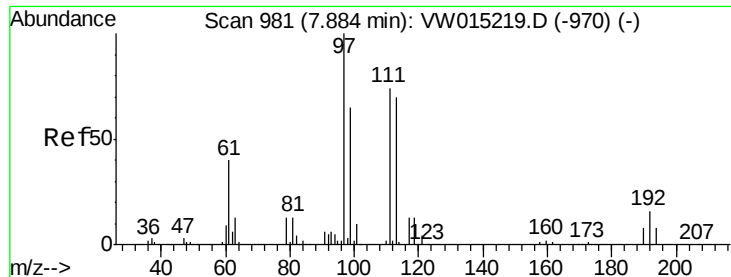
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

88 15.6 0.0 30.2





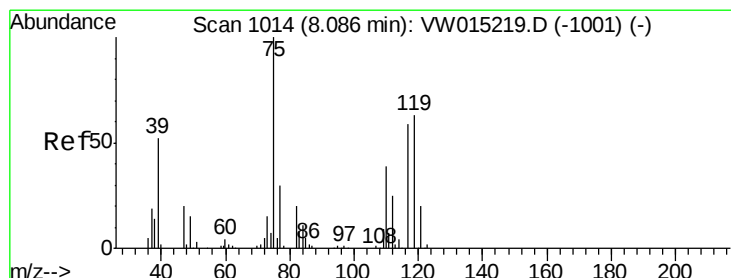
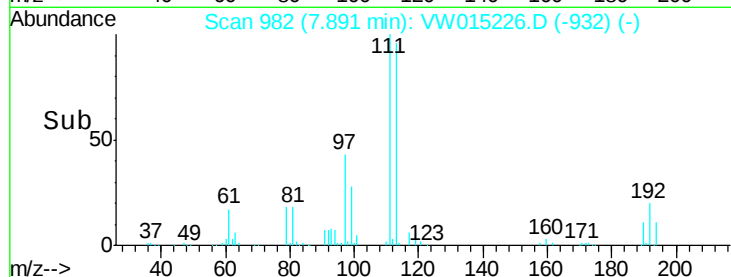
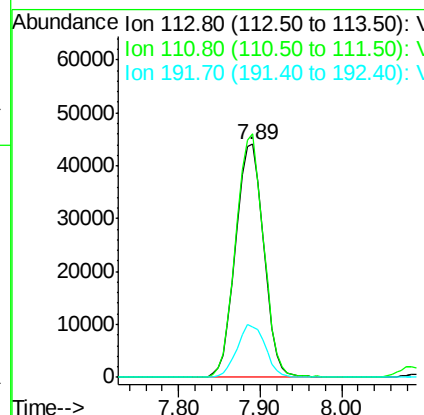
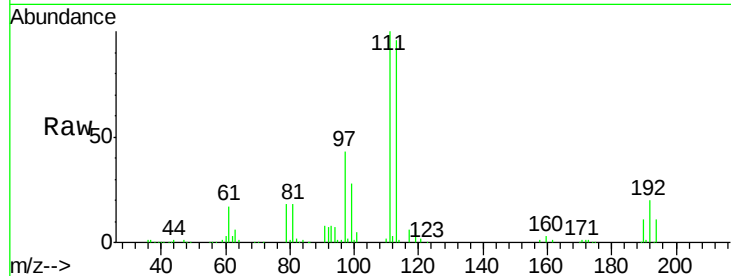
#35
 Dibromofluoromethane
 Concen: 55.392 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105040		
111	102.9	83.0	124.4	
192	22.5	15.1	22.7	

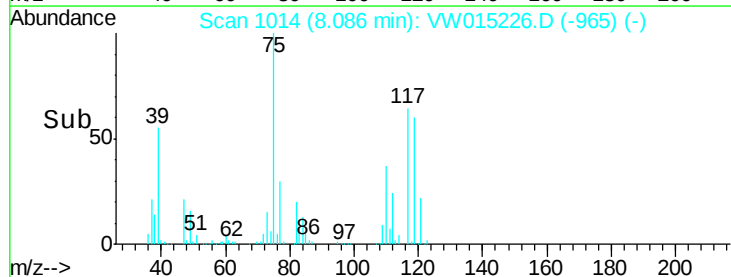
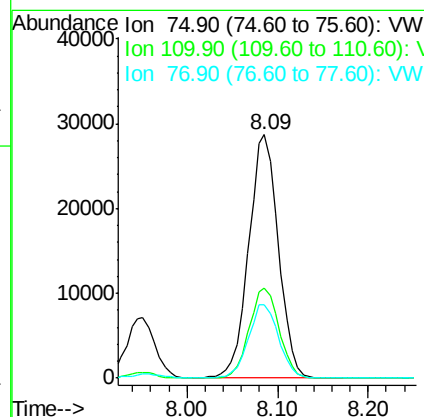
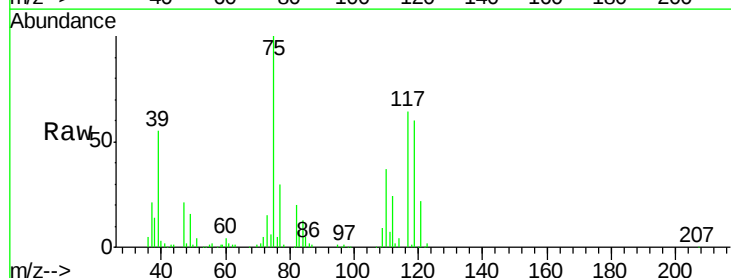
Manual Integrations
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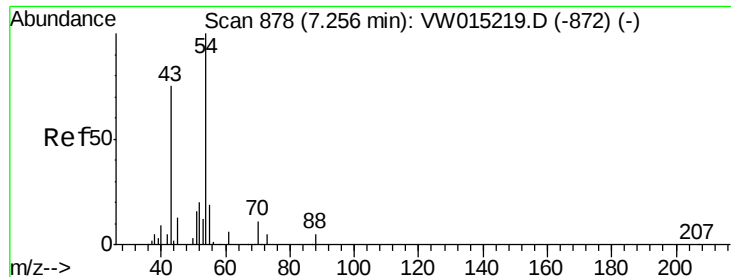
MMDadoda
 4/21/2020 10:00:55 AM



#36
 1,1-Dichloropropene
 Concen: 21.031 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64983		
110	37.2	18.2	54.6	
77	30.8	24.5	36.7	





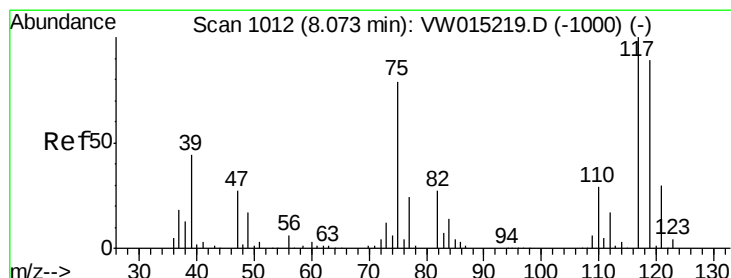
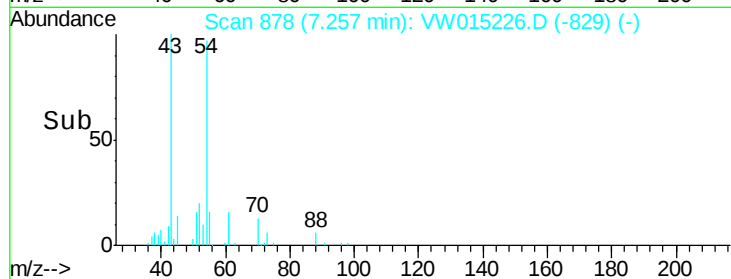
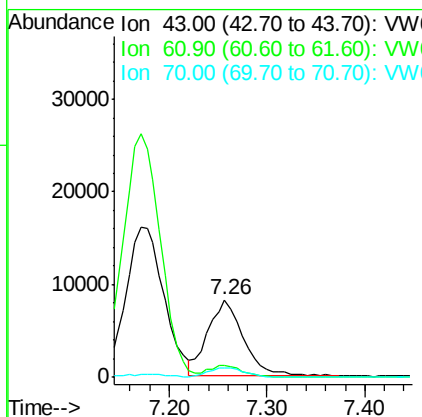
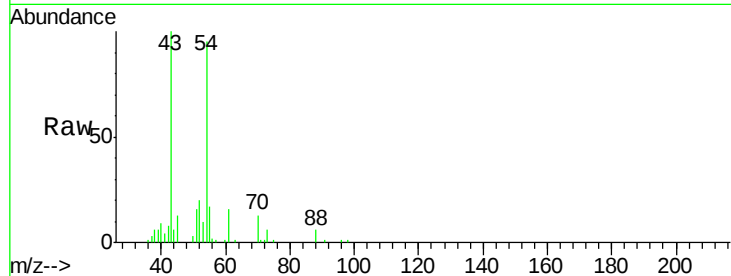
#37
Ethyl Acetate
Concen: 20.689 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.7	11.9	17.9	
70	13.3	8.8	13.2	

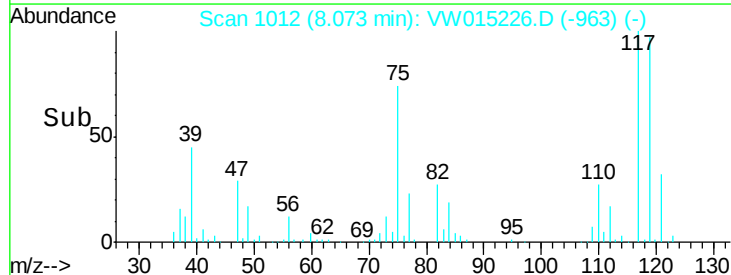
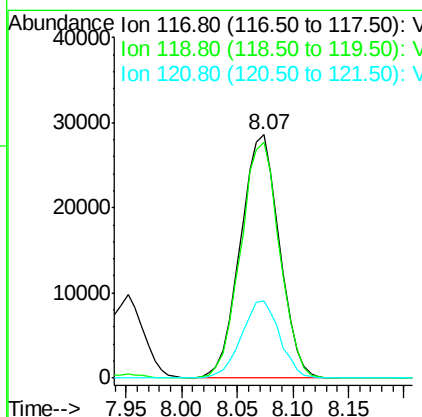
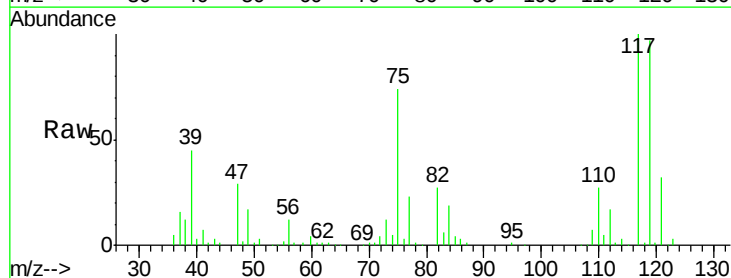
Manual Integrations
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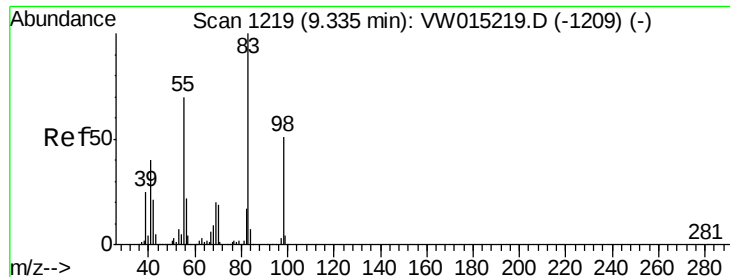
MMDadoda
4/21/2020 10:00:55 AM



#38
Carbon Tetrachloride
Concen: 20.643 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.0	72.3	108.5	
121	31.6	23.7	35.5	





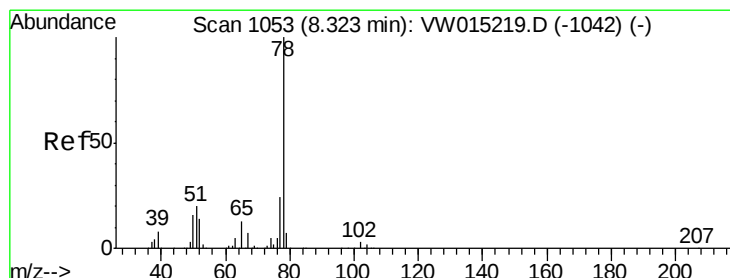
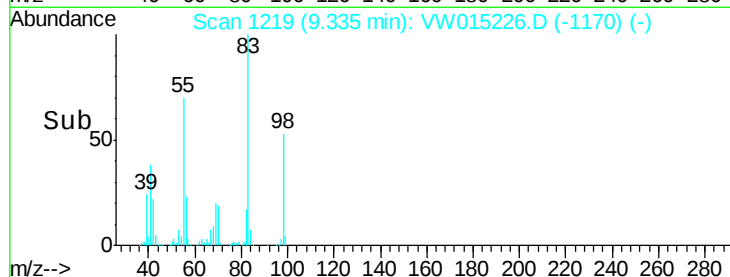
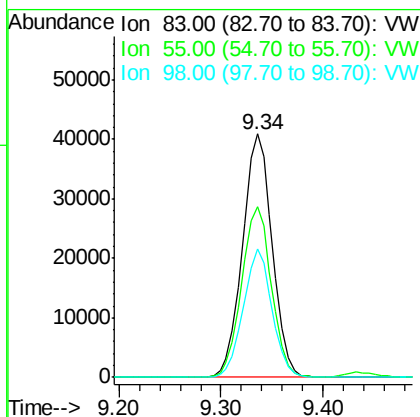
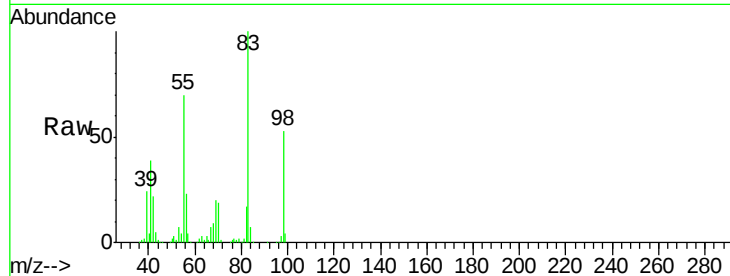
#39
Methvlcvclohexane
Concen: 20.104 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	58.1	87.1
98	52.8	40.2	60.4

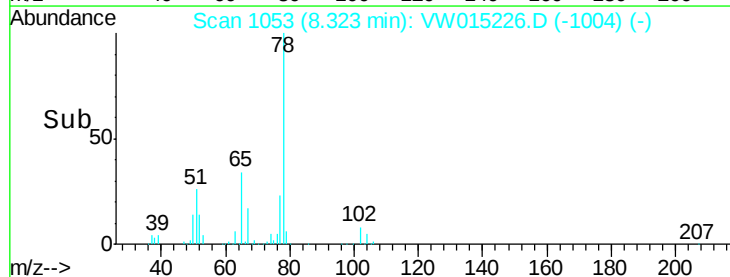
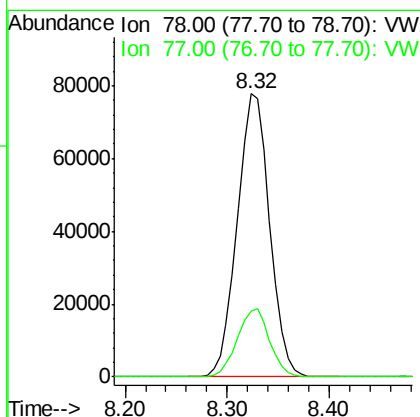
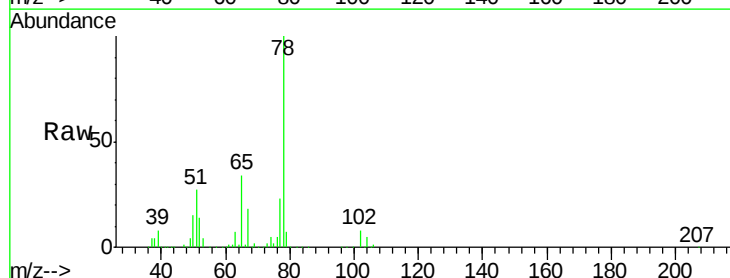
Manual Integrations
APPROVED

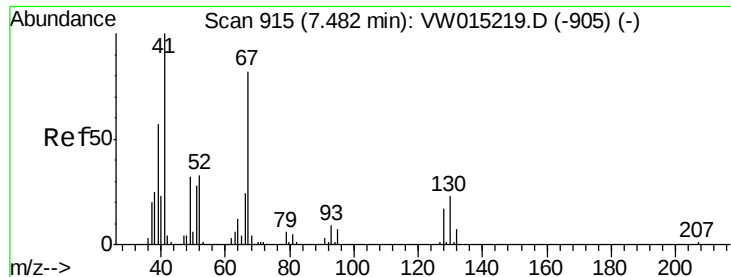
MMDadoda
4/21/2020 10:00:55 AM



#40
Benzene
Concen: 20.755 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





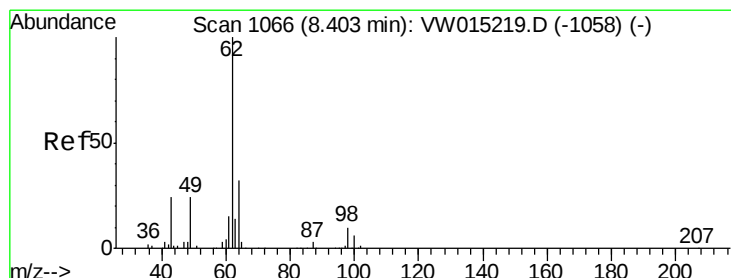
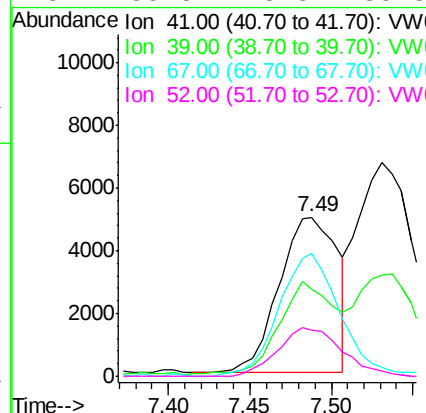
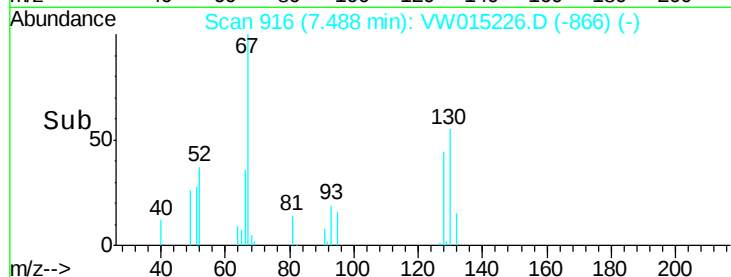
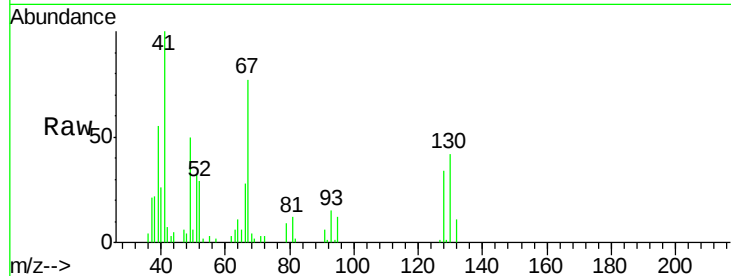
#41
Methacrylonitrile
Concen: 20.599 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.9	62.9
67	82.7	60.6	91.0
52	33.8	23.8	35.8

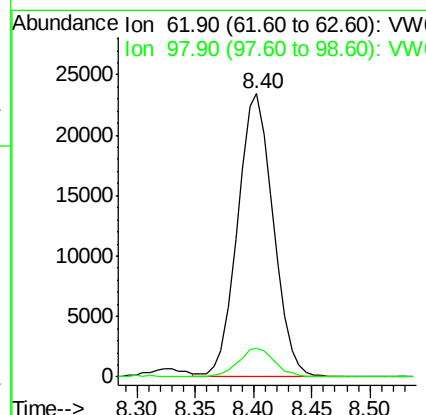
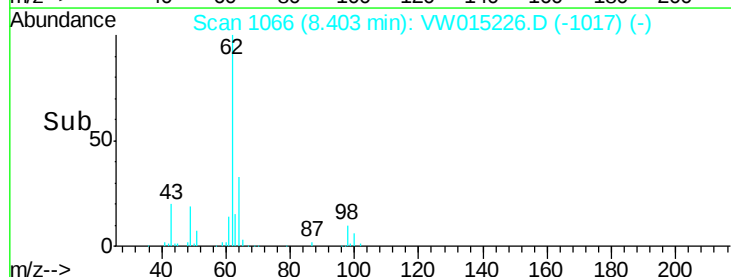
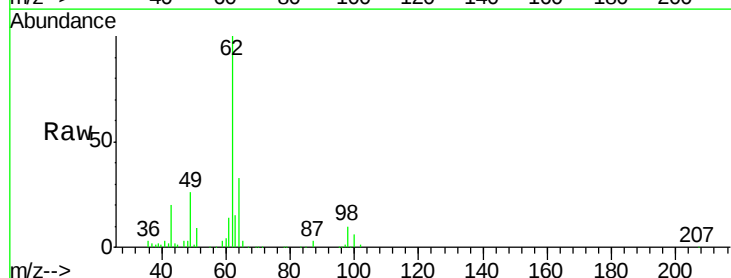
Manual Integrations
APPROVED

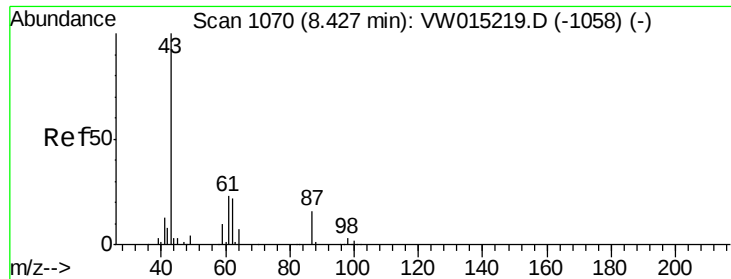
MMDadoda
4/21/2020 10:00:55 AM



#42
1,2-Dichloroethane
Concen: 20.632 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

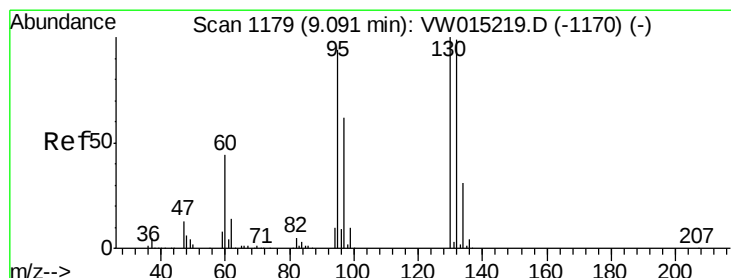
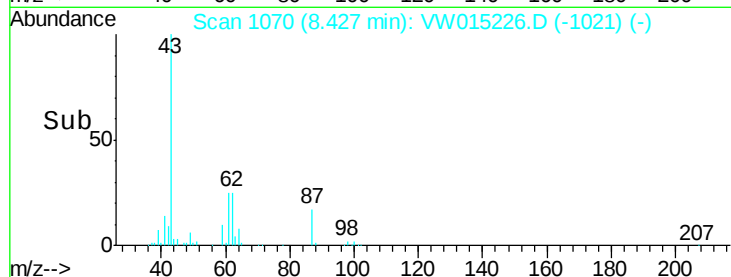
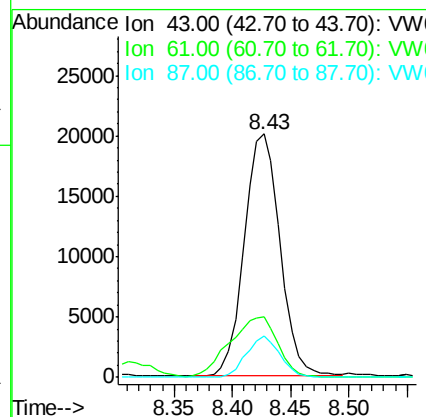
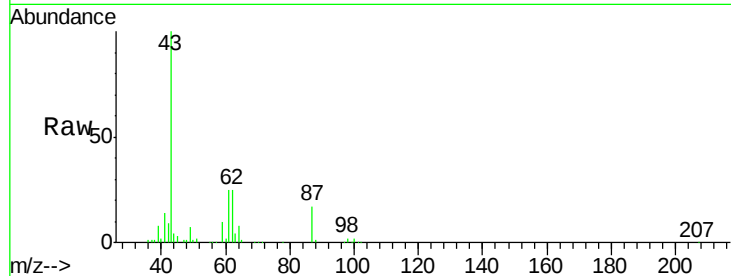
Isopropyl Acetate
 Concen: 20.459 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	24.8	37.2
87	16.2	11.4	17.2

Manual Integrations
 APPROVED

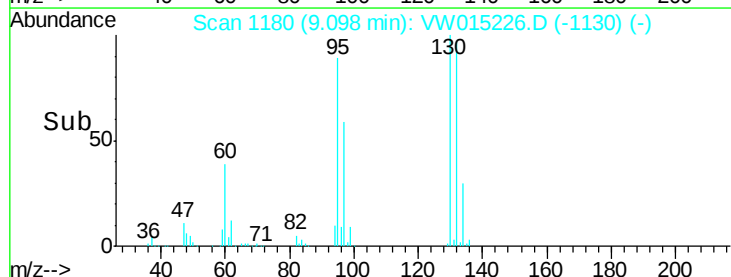
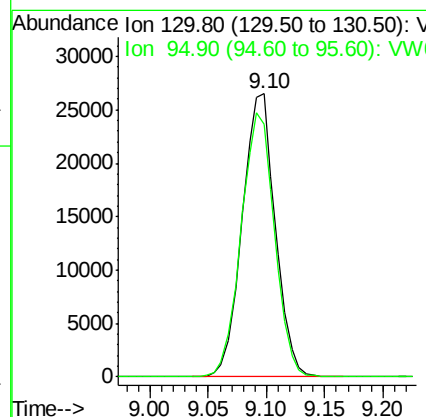
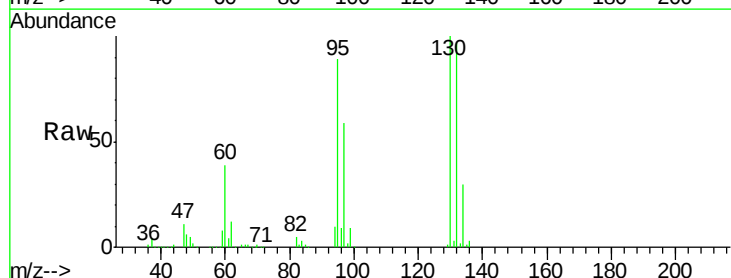
MMDadoda
 4/21/2020 10:00:55 AM

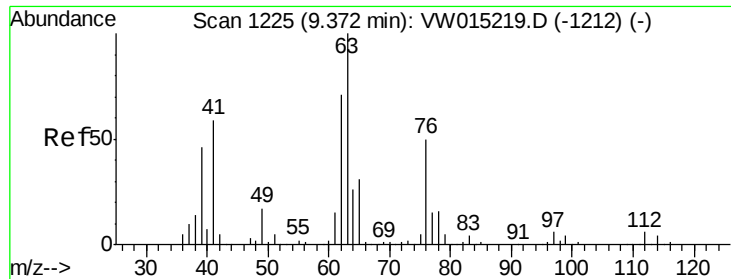


#44

Trichloroethene
 Concen: 20.841 ug/l
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	196.4





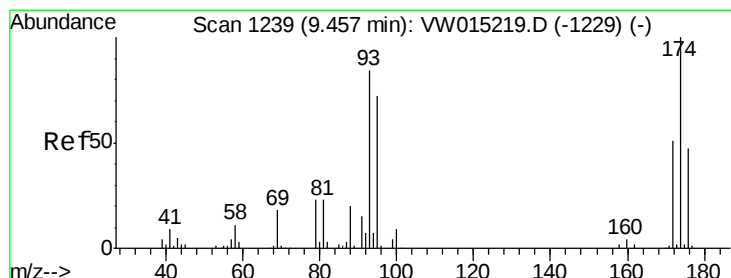
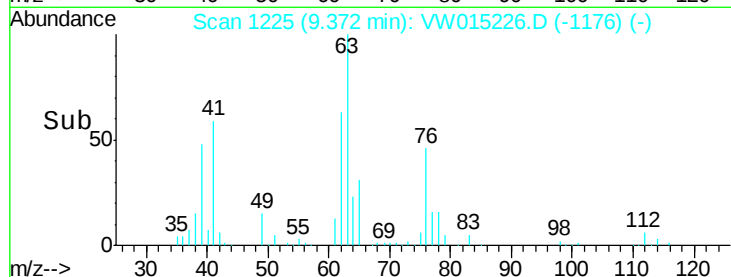
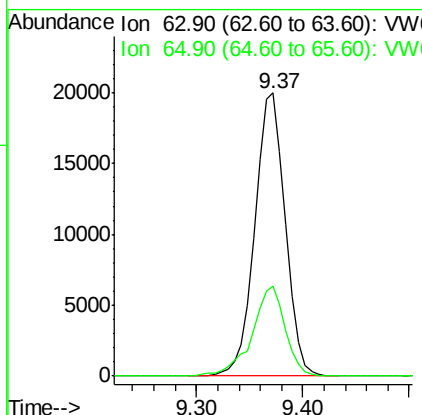
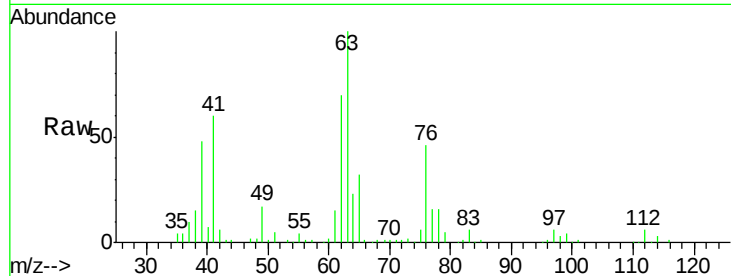
#45
 1,2-Dichloropropane
 Concen: 20.906 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0420SBS01

Tot Ion: 63 Resp: 40127
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.5 38.3

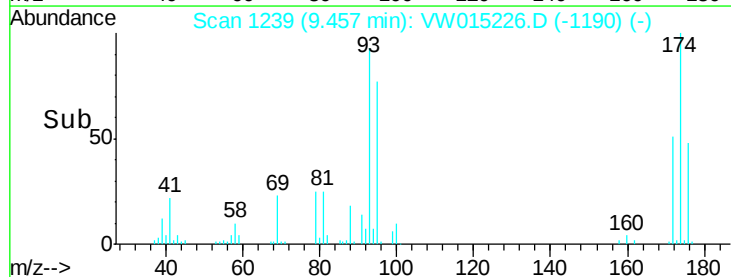
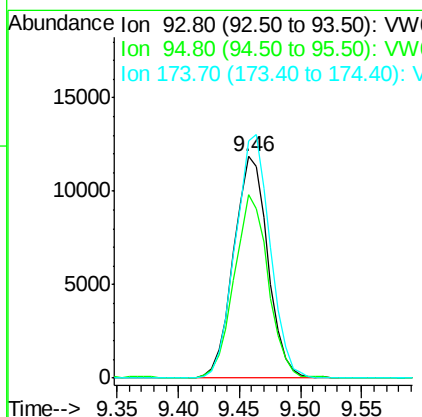
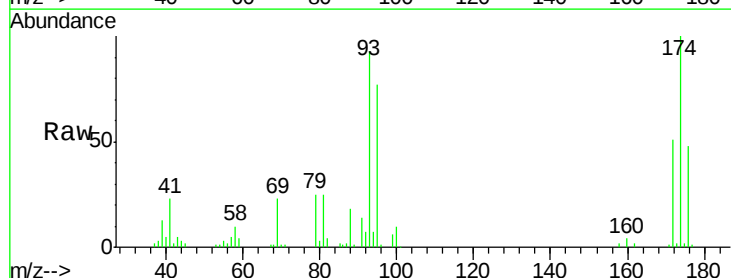
Manual Integrations
 APPROVED

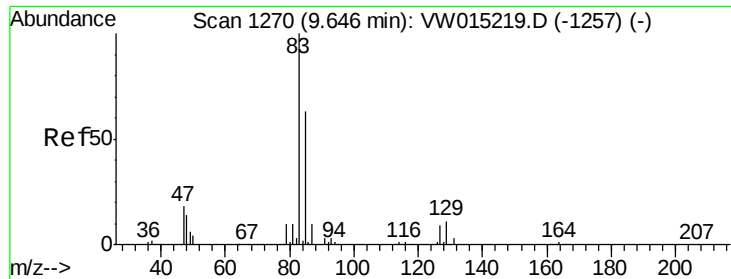
MMDadoda
 4/21/2020 10:00:55 AM



#46
 Dibromomethane
 Concen: 20.691 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 93 Resp: 22974
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.5 101.3
 174 111.7 74.1 111.1#





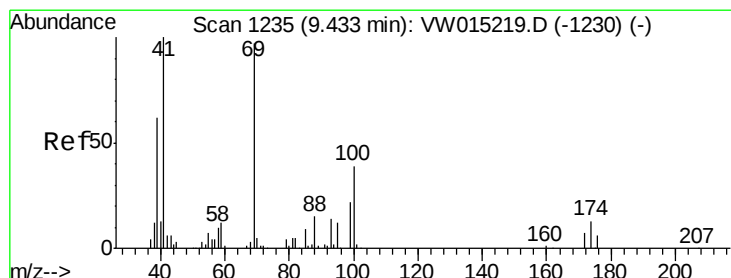
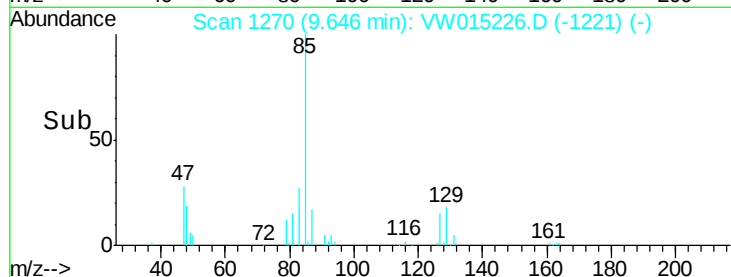
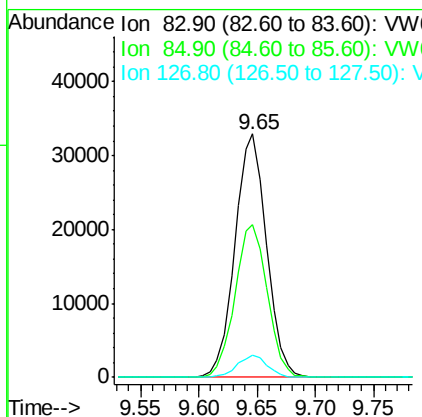
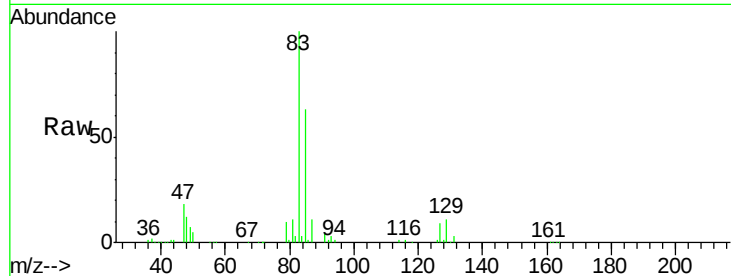
#47
Bromodichloromethane
Concen: 20.931 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	62128		
85	62.6		50.6	76.0
127	9.2		6.7	10.1

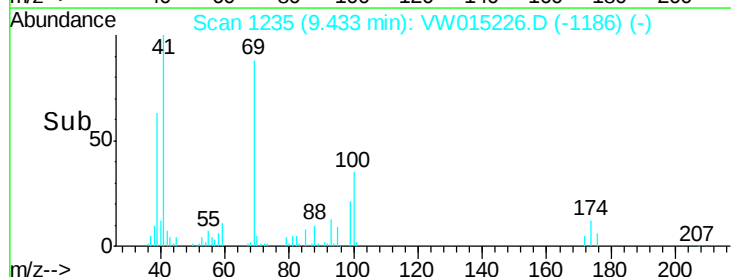
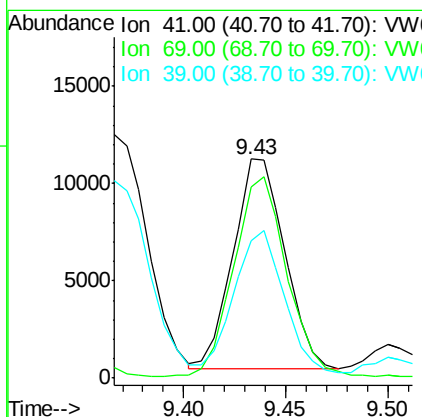
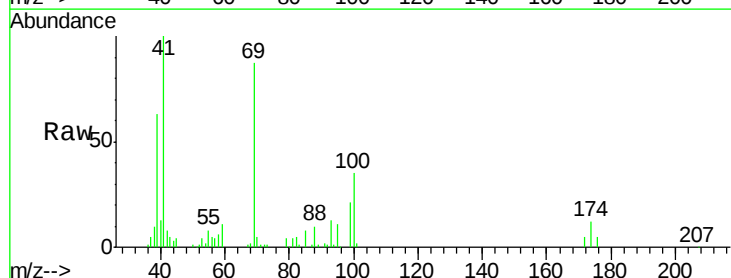
Manual Integrations
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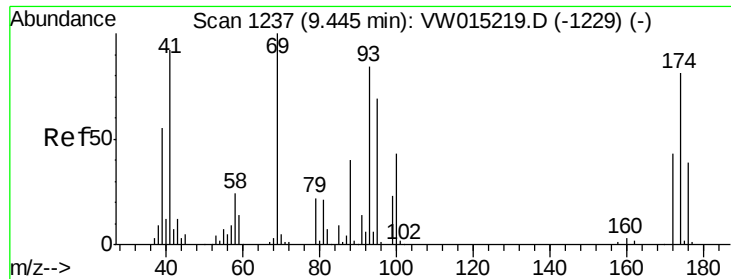
MMDadoda
4/21/2020 10:00:55 AM



#48
Methyl methacrylate
Concen: 19.163 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	19053		
69	102.2		70.6	105.8
39	65.0		42.6	64.0#





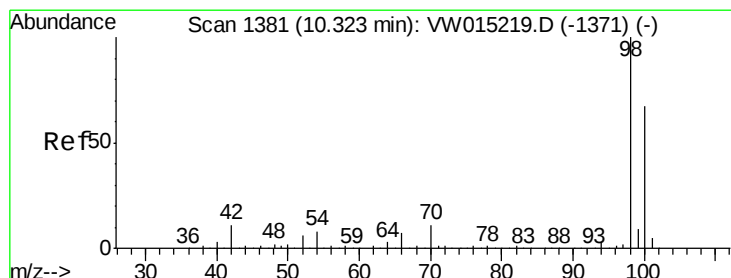
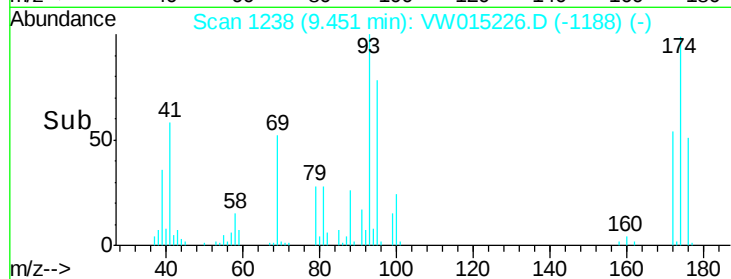
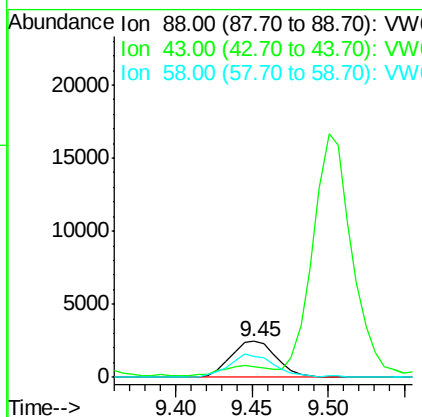
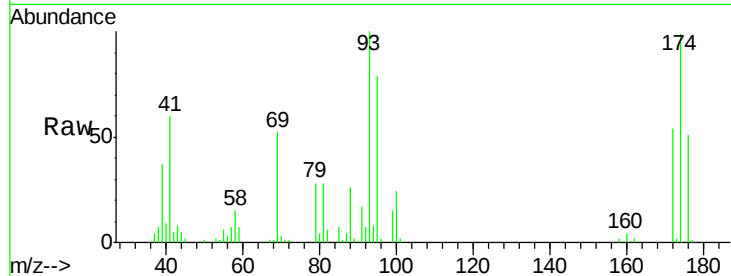
#49
 1,4-Dioxane
 Concen: 348.268 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	88	Resp	5155
Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.5	35.3
58	63.0	55.4	83.2

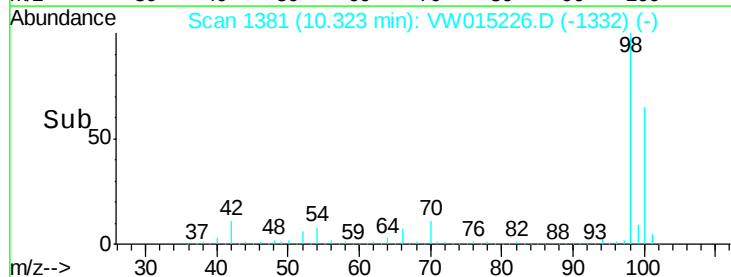
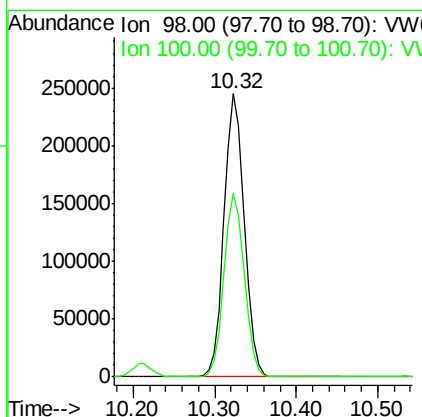
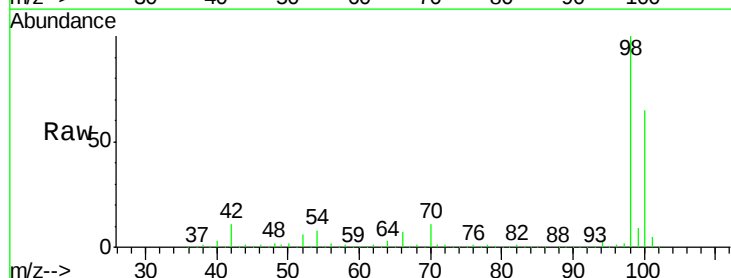
Manual Integrations
 APPROVED

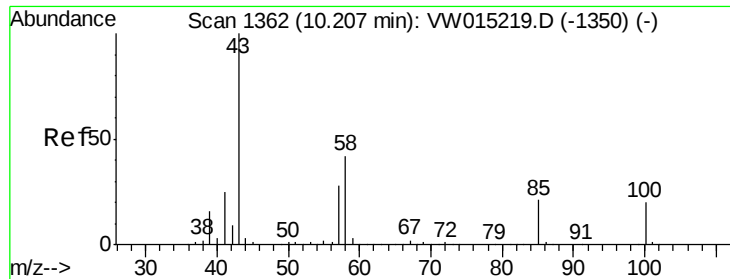
MMDadoda
 4/21/2020 10:00:55 AM



#50
 Toluene-d8
 Concen: 52.435 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	98	Resp	418284
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.734 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

Tot Ion: 43 Resp: 99454

Ion Ratio Lower Upper

43 100

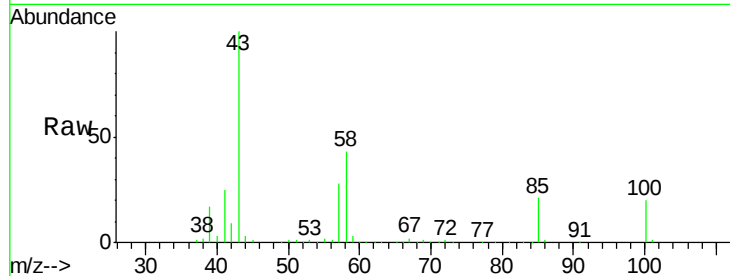
58 41.8 32.3 48.5

Manual Integrations

APPROVED

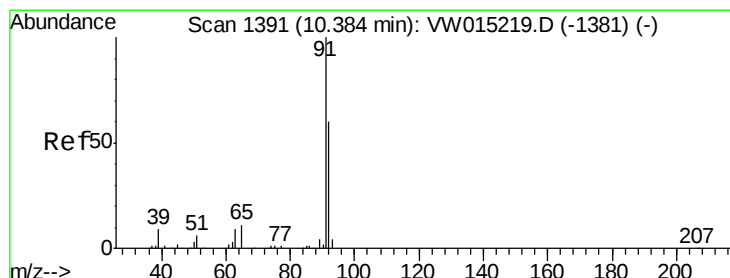
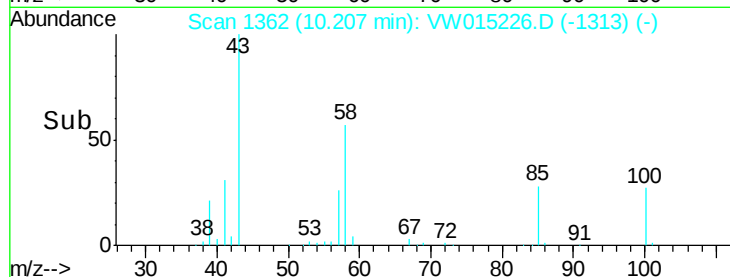
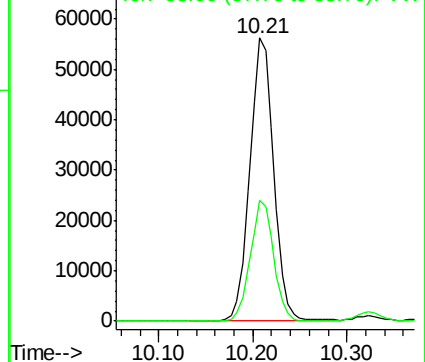
MMDadoda

4/21/2020 10:00:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.978 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015226.D

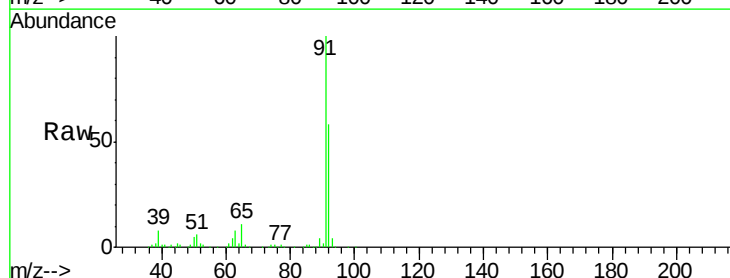
Acq: 20 Apr 2020 16:46

Tgt Ion: 92 Resp: 115403

Ion Ratio Lower Upper

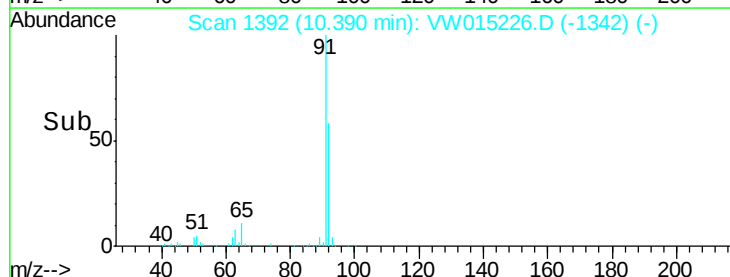
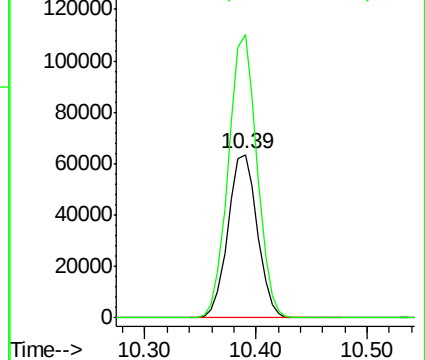
92 100

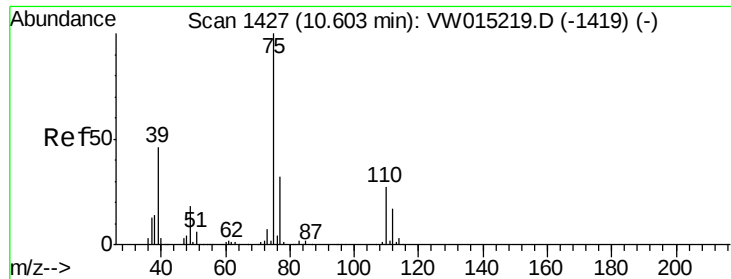
91 169.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





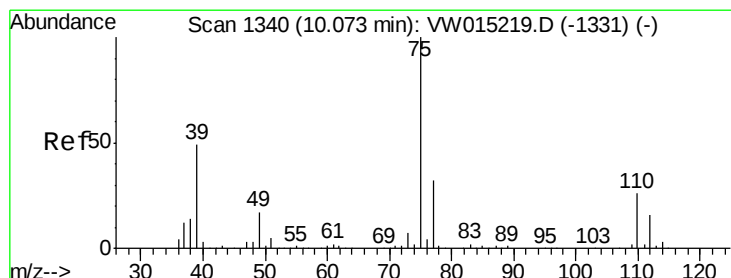
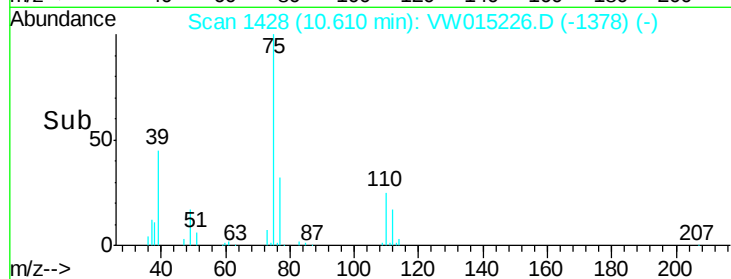
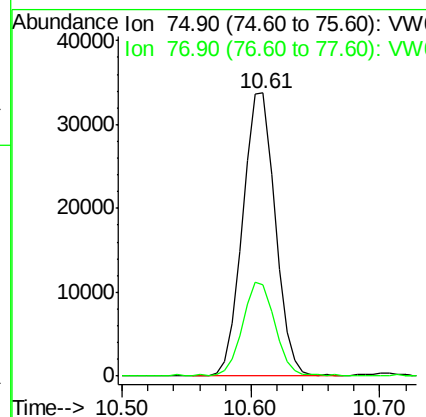
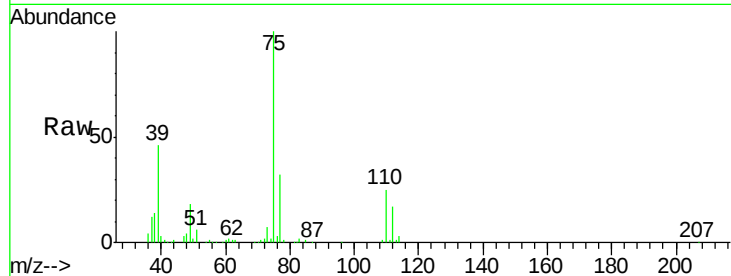
#53
 t-1,3-Dichloropropene
 Concen: 20.200 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

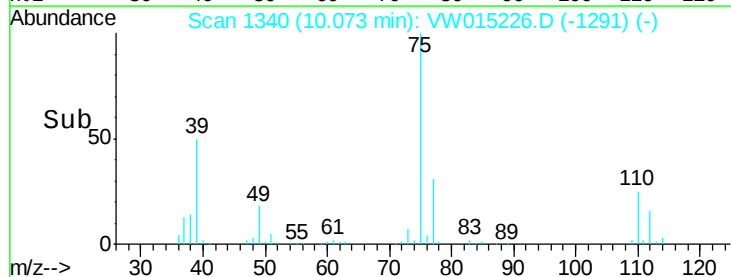
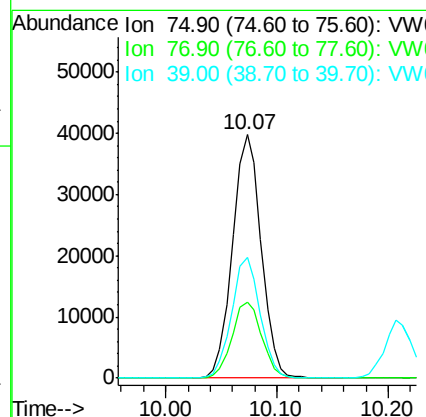
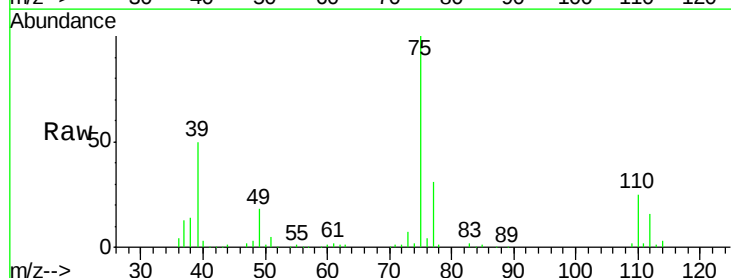
Manual Integrations
 APPROVED

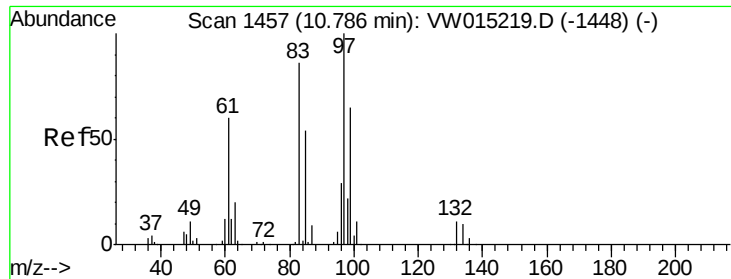
MMDadoda
 4/21/2020 10:00:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.780 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.6	39.8
39	49.6	37.8	56.6





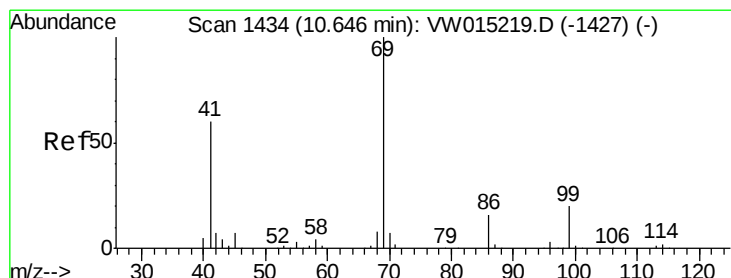
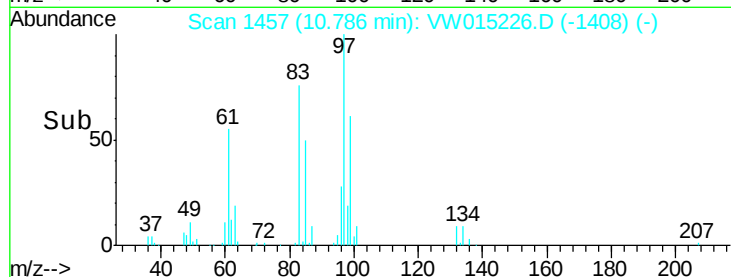
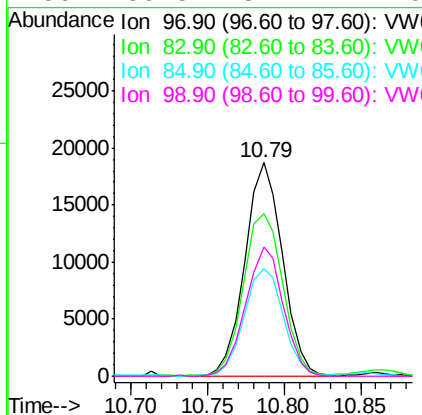
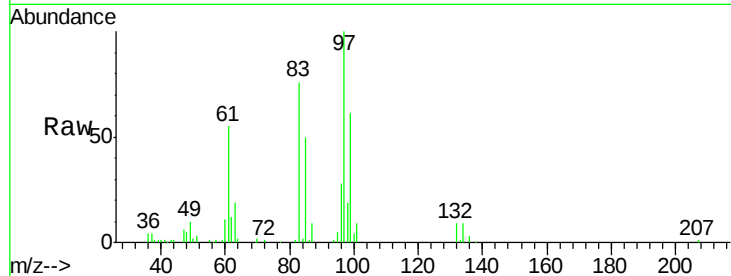
#55
 1,1,2-Trichloroethane
 Concen: 20.666 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion:	97	Resp:	32130
Ion	Ratio	Lower	Upper
97	100		
83	75.8	67.3	100.9
85	50.2	43.8	65.8
99	60.5	51.4	77.0

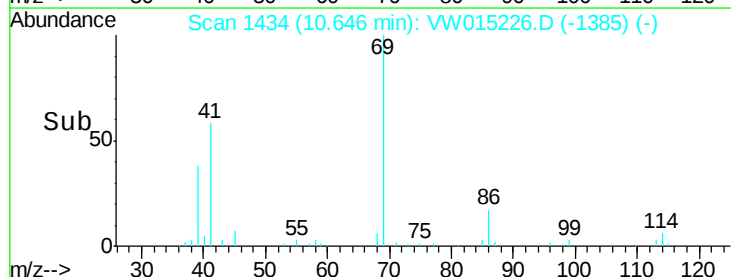
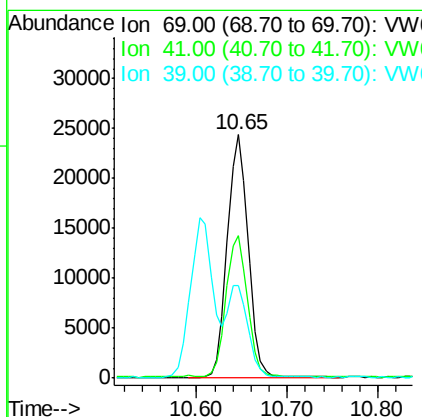
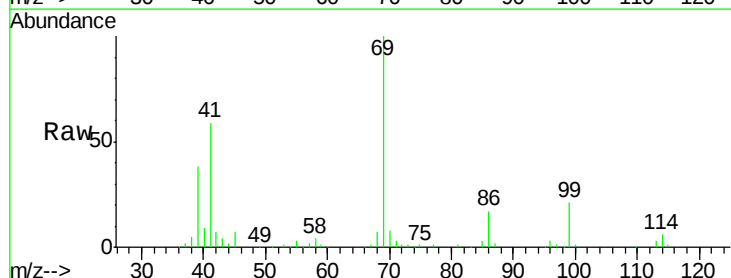
Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:00:55 AM



#56
 Ethyl methacrylate
 Concen: 19.776 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion:	69	Resp:	39610
Ion	Ratio	Lower	Upper
69	100		
41	58.2	51.3	76.9
39	36.5	24.6	37.0





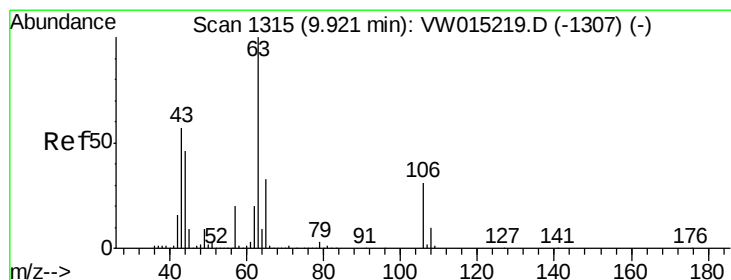
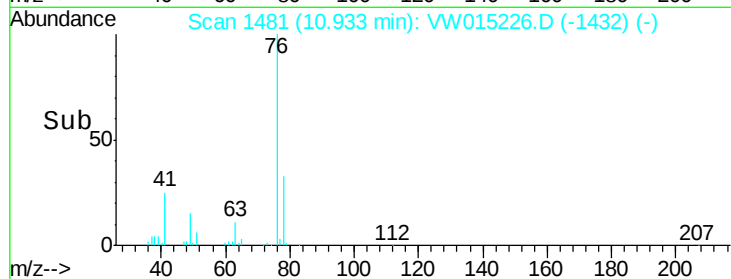
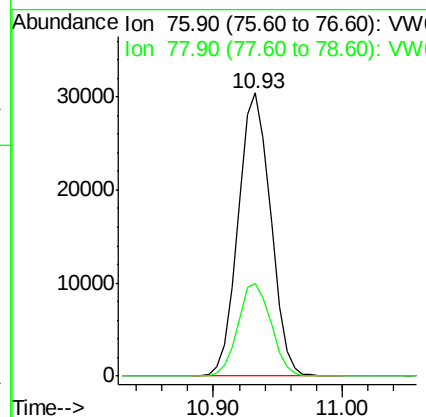
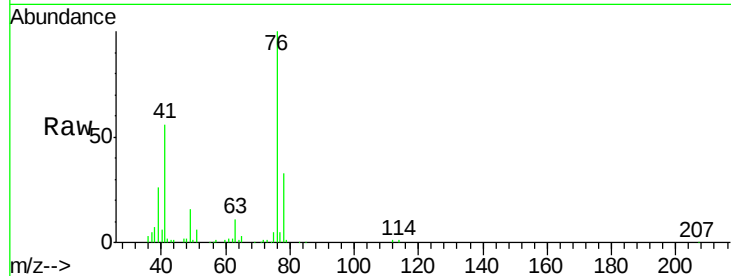
#57
 1,3-Dichloropropane
 Concen: 20.631 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion: 76 Resp: 53134
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4

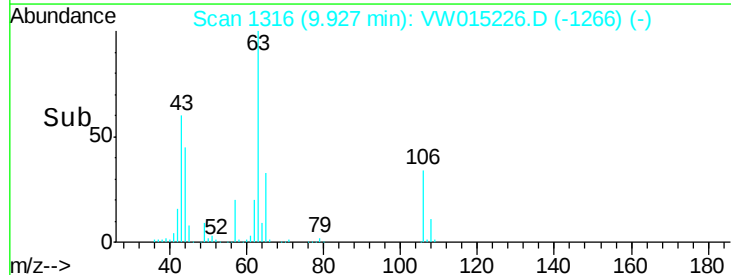
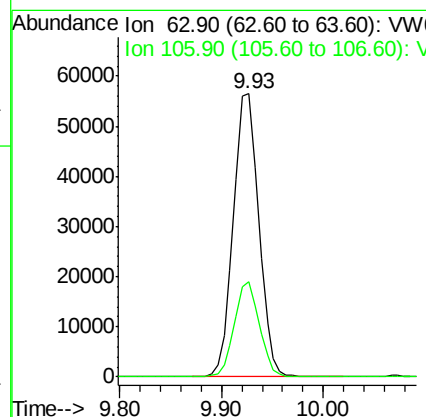
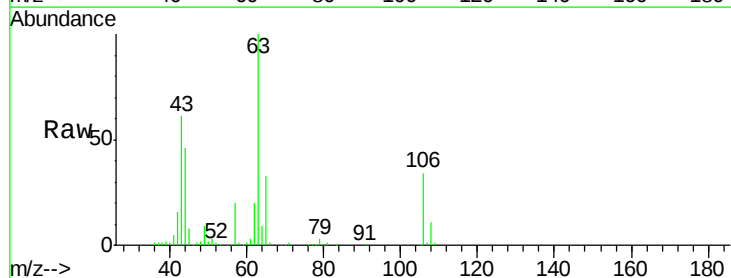
Manual Integrations
 APPROVED

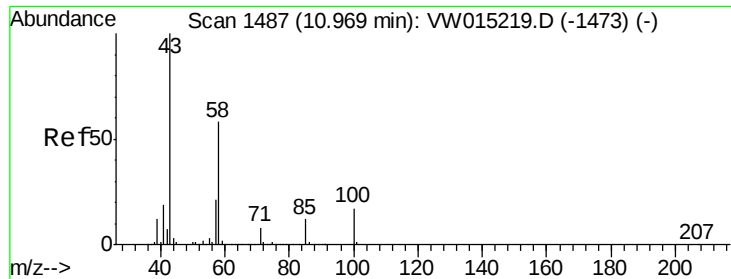
MMDadoda
 4/21/2020 10:00:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.871 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 63 Resp: 97381
 Ion Ratio Lower Upper
 63 100
 106 33.1 22.6 33.8





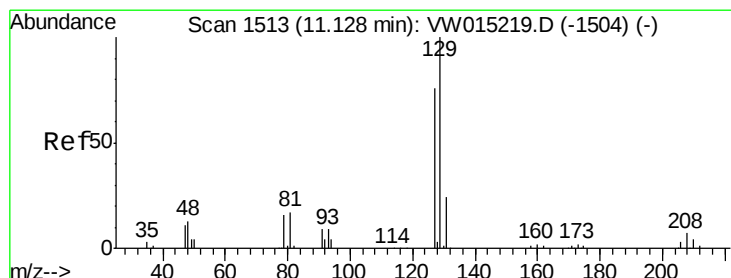
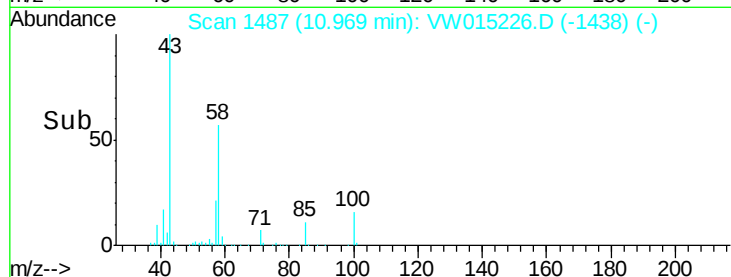
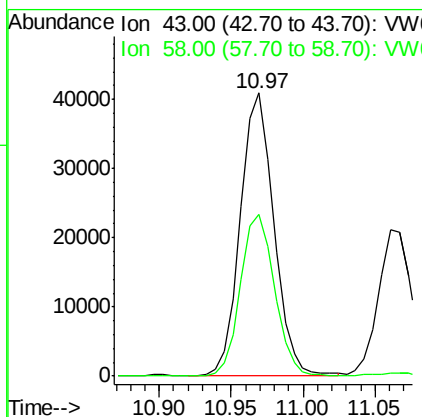
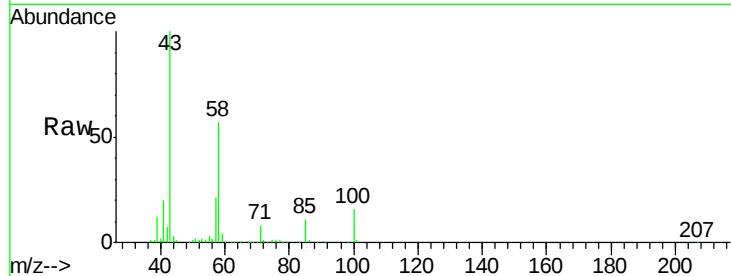
#59
2-Hexanone
Concen: 93.382 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 43 Resp: 65813
Ion Ratio Lower Upper
43 100
58 58.3 28.1 84.3

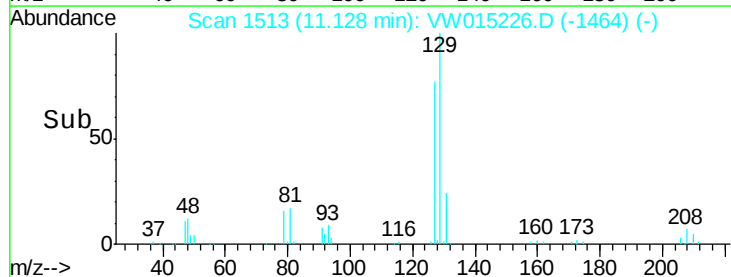
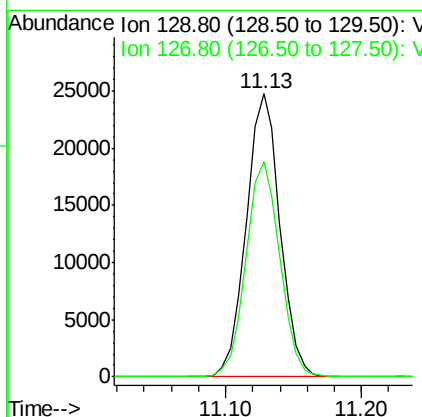
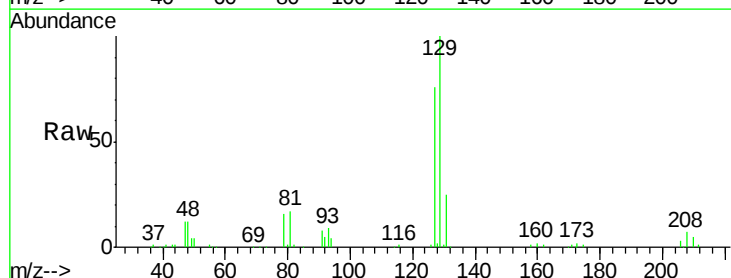
Manual Integrations
APPROVED

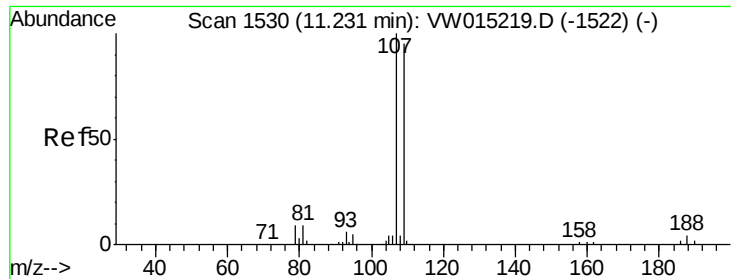
MMDadoda
4/21/2020 10:00:55 AM



#60
Dibromochloromethane
Concen: 20.969 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 129 Resp: 43044
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8





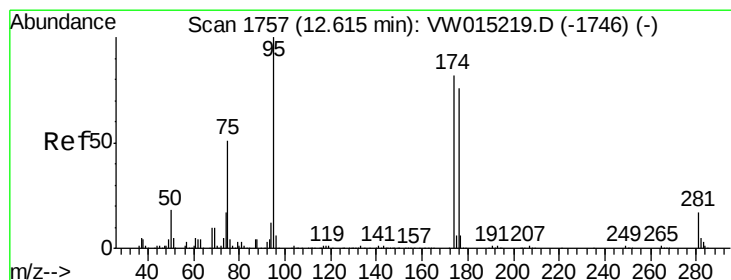
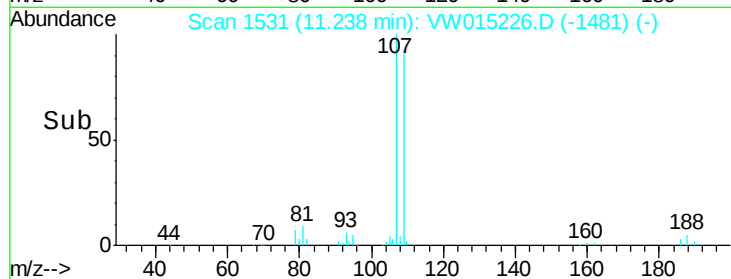
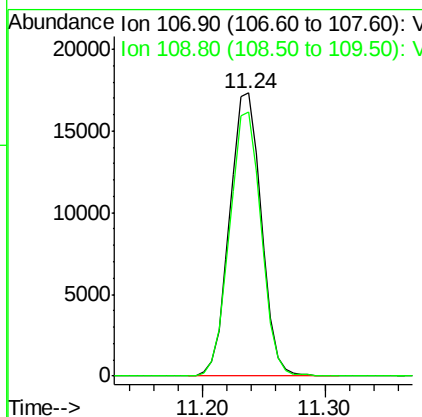
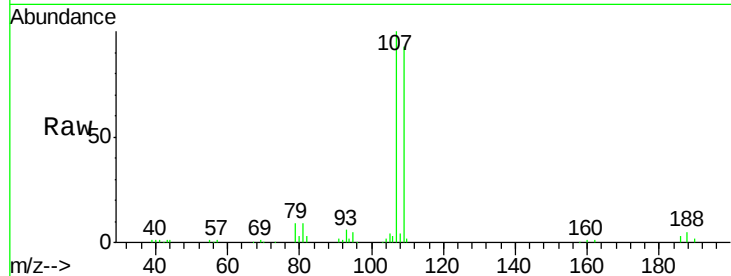
#61
1,2-Dibromoethane
Concen: 20.432 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.3	111.5

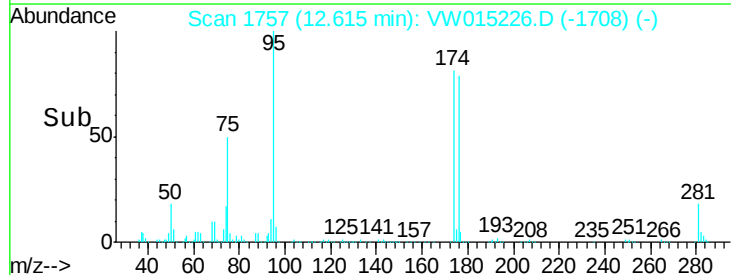
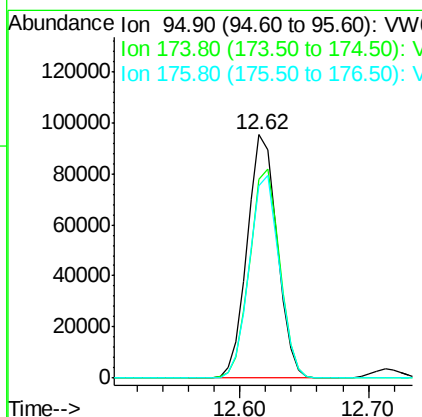
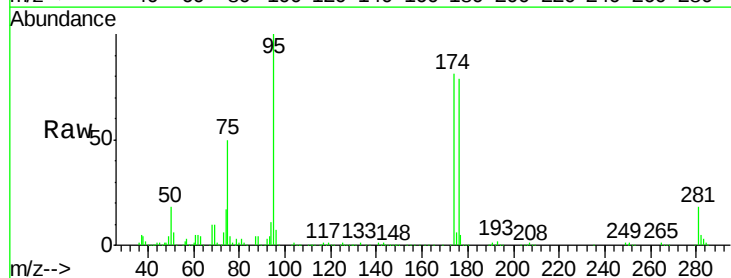
Manual Integrations
APPROVED

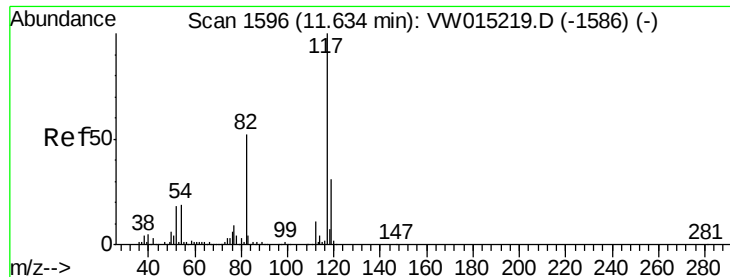
MMDadoda
4/21/2020 10:00:55 AM



#62
4-Bromofluorobenzene
Concen: 50.209 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	144.4
176	83.5	0.0	140.6





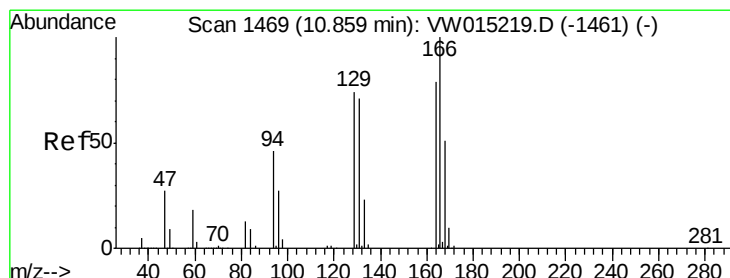
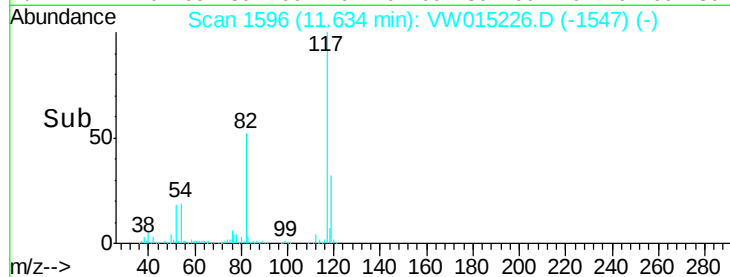
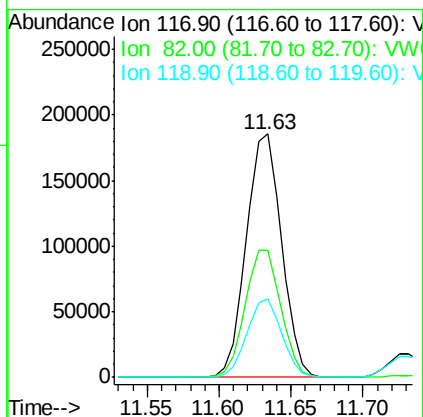
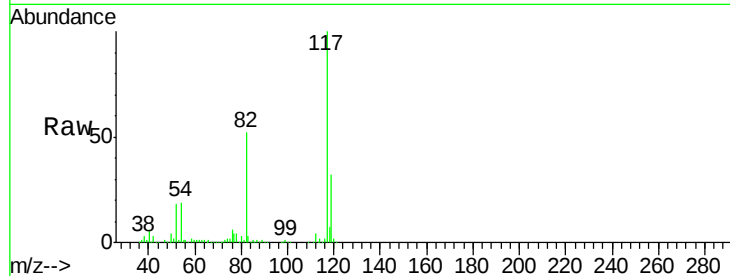
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314486		
82	52.1	44.1	66.1	
119	32.1	24.9	37.3	

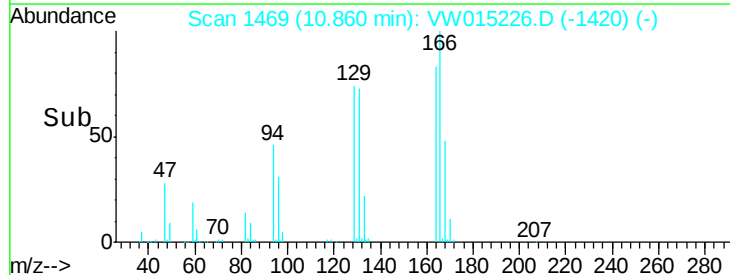
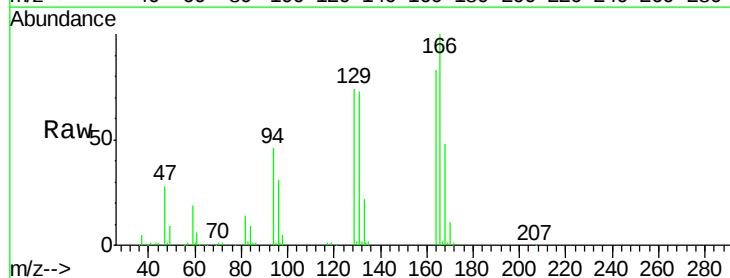
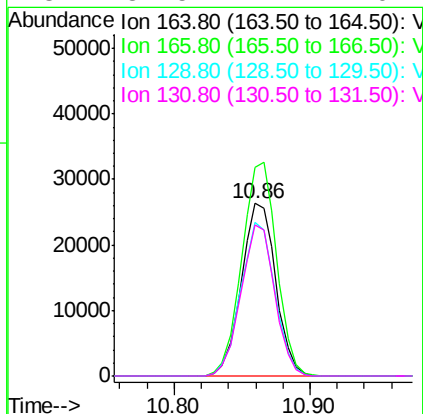
Manual Integrations
APPROVED

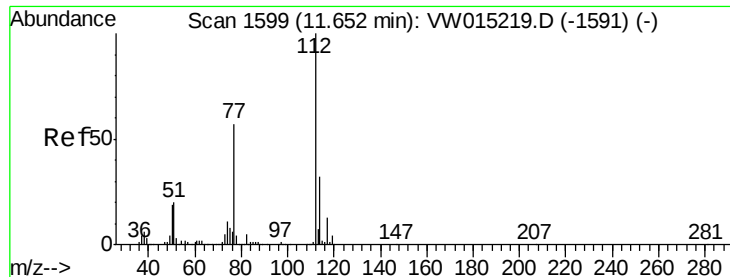
MMDadoda
4/21/2020 10:00:55 AM



#64
Tetrachloroethene
Concen: 20.713 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46491		
166	120.6	102.6	154.0	
129	89.1	80.2	120.2	
131	87.5	77.4	116.2	





#65

Chlorobenzene

Concen: 20.097 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:112 Resp: 124018

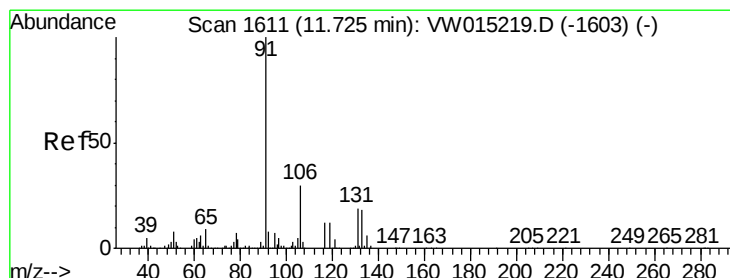
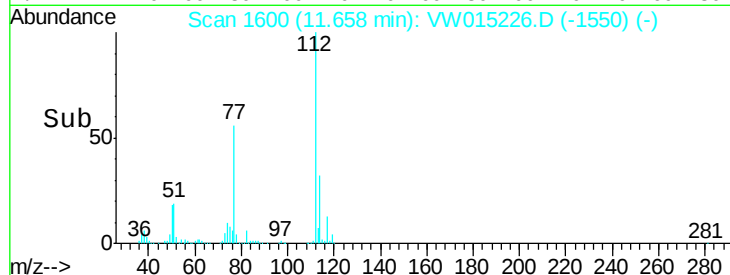
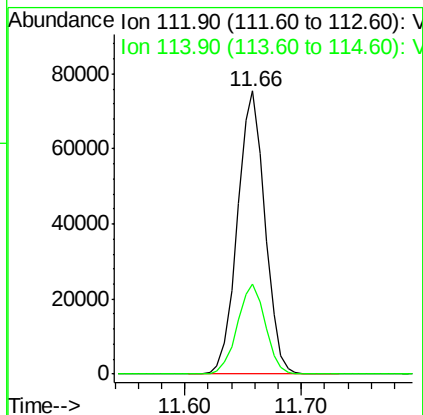
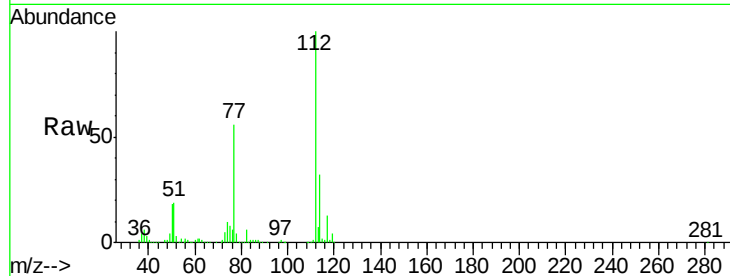
Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:00:55 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.100 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

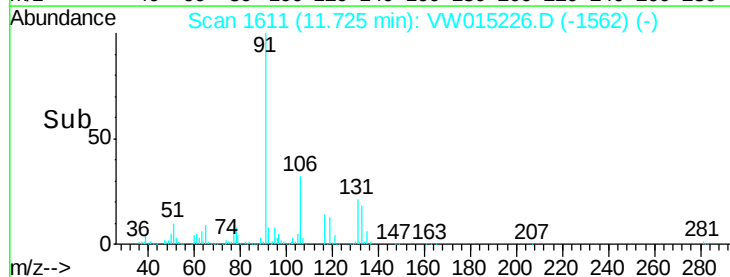
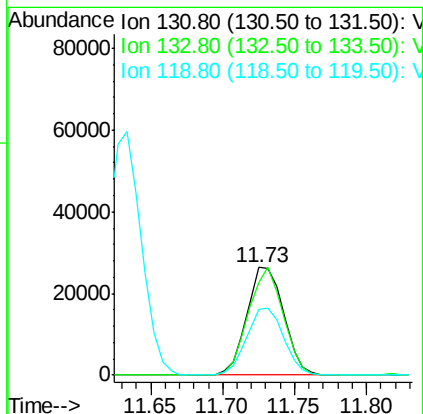
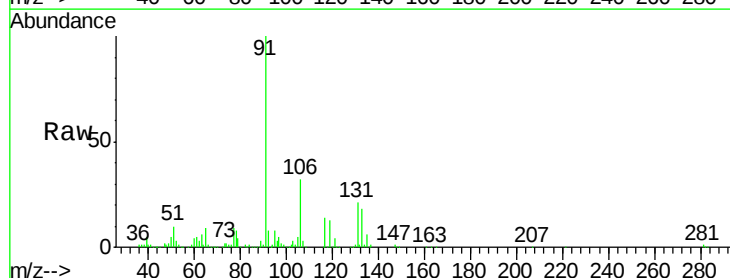
Tgt Ion:131 Resp: 46799

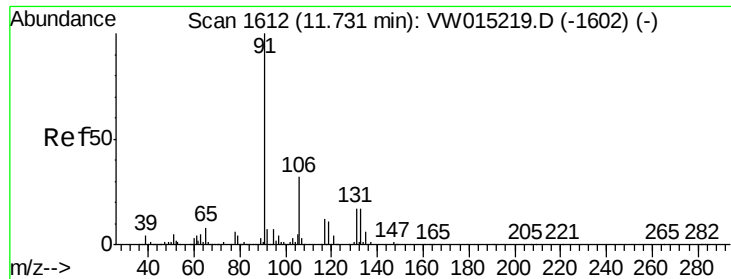
Ion Ratio Lower Upper

131 100

133 94.8 47.7 143.1

119 61.7 34.0 101.8





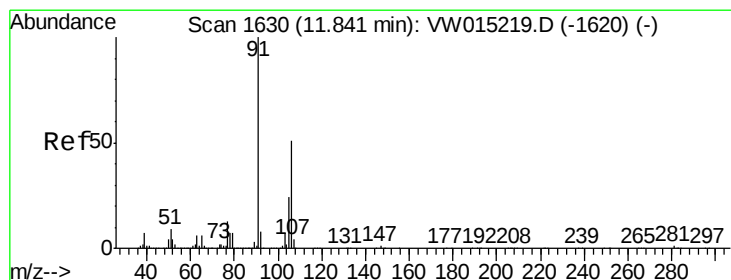
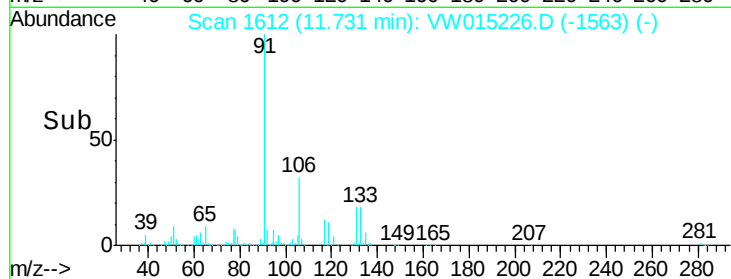
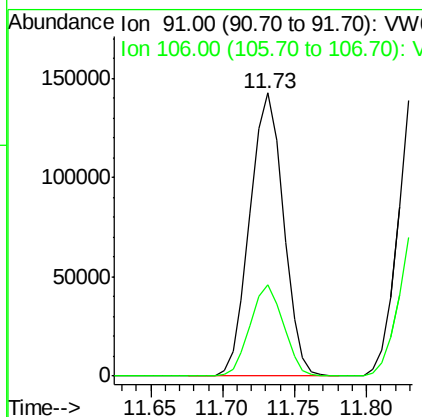
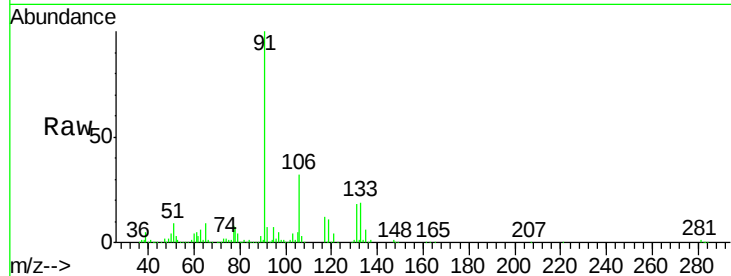
#67
Ethyl Benzene
Concen: 20.081 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.2	25.7	38.5	

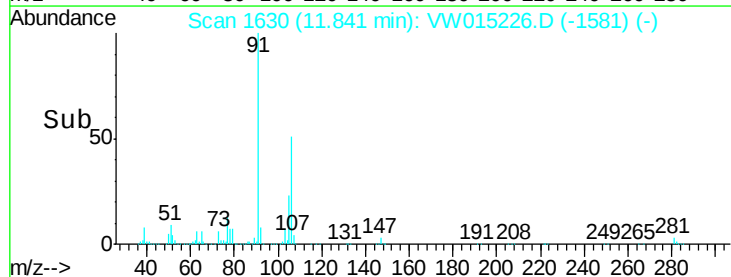
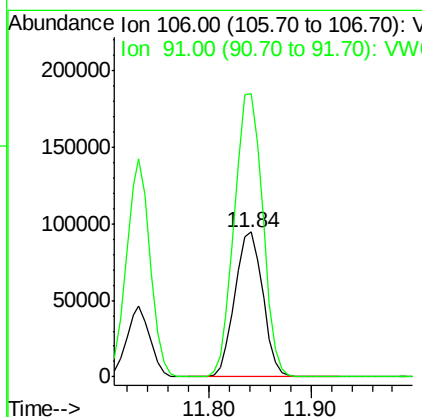
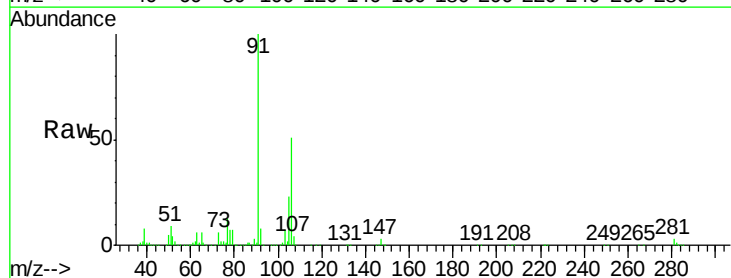
Manual Integrations
APPROVED

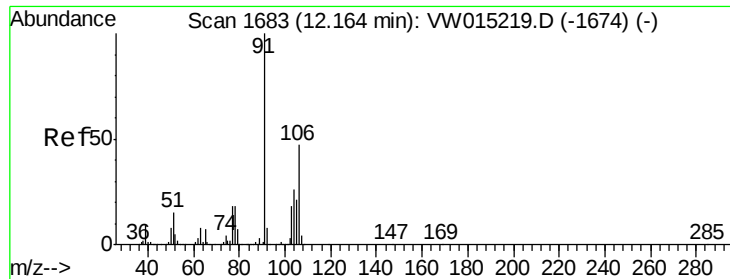
MMDadoda
4/21/2020 10:00:55 AM



#68
m/p-Xylenes
Concen: 39.767 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.8	160.0	240.0	





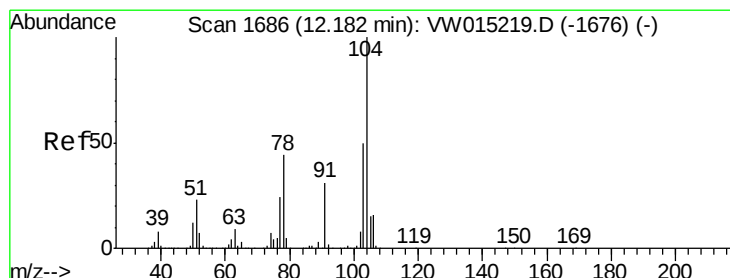
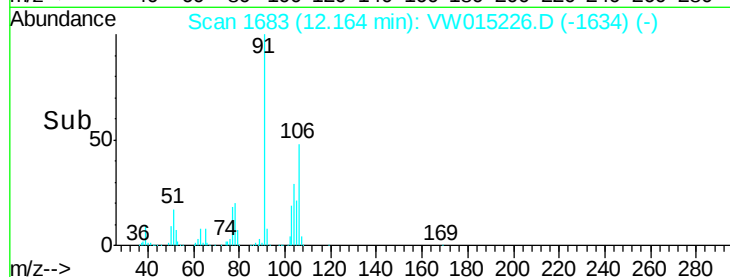
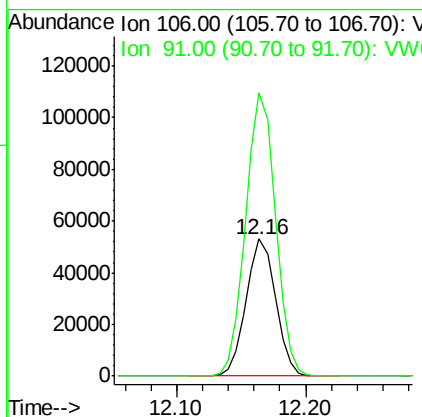
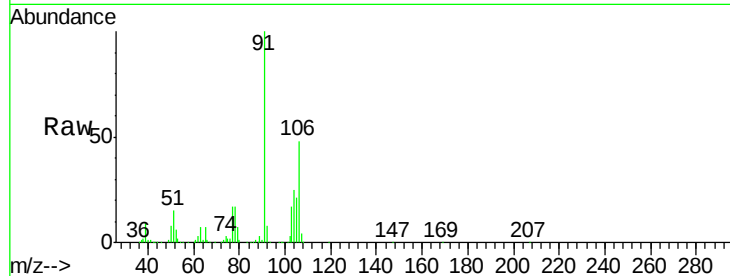
#69
o-Xylene
Concen: 19.923 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampled :
VW0420SBS01

Tot Ion:106 Resp: 83887
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1

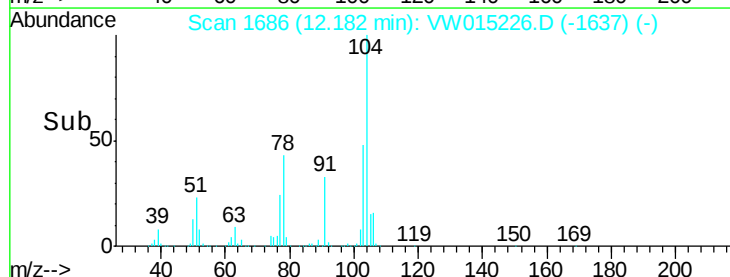
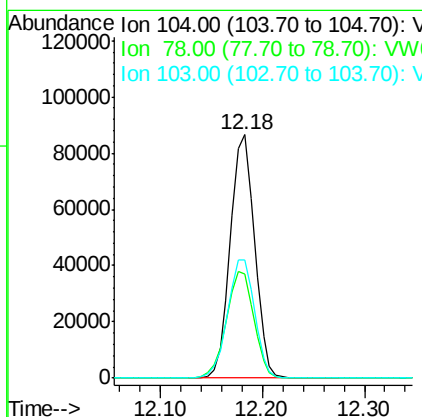
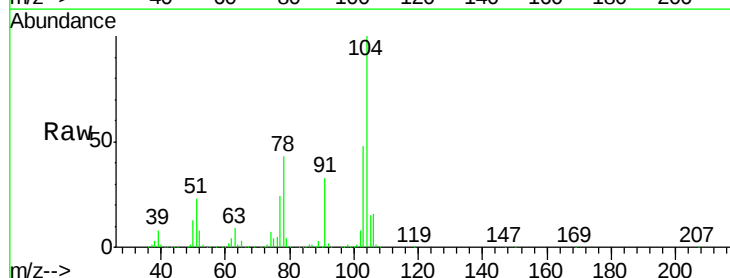
Manual Integrations
APPROVED

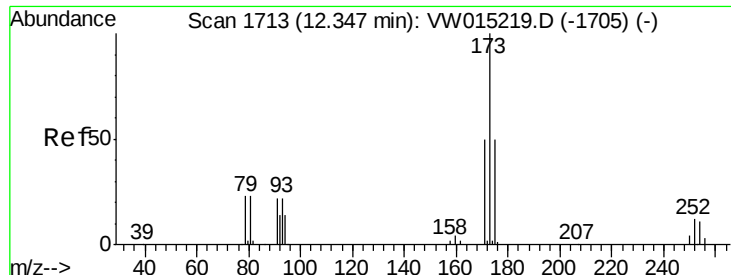
MMDadoda
4/21/2020 10:00:55 AM



#70
Styrene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion:104 Resp: 142764
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 53.7 43.8 65.6





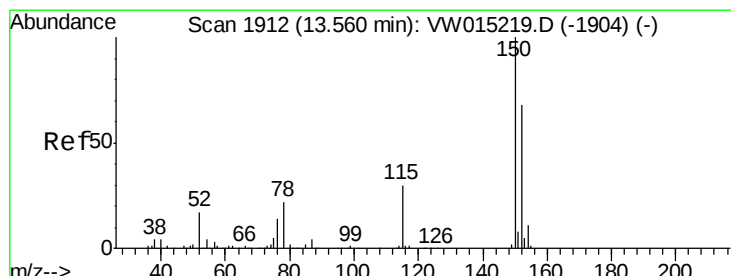
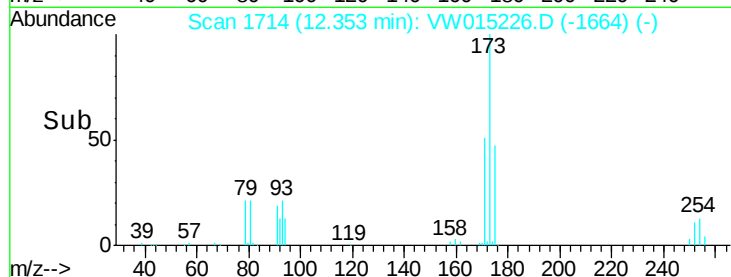
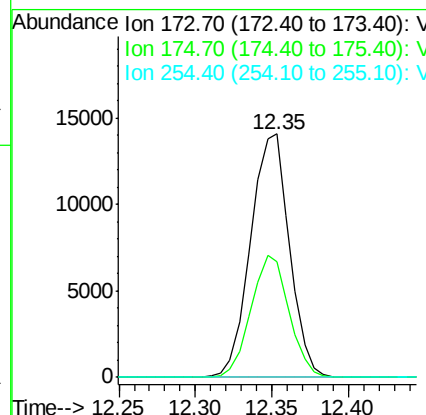
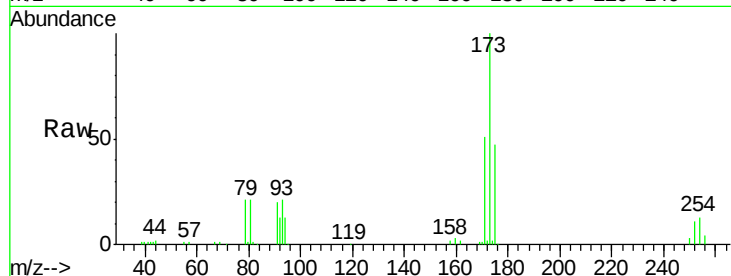
#71
Bromoform
Concen: 19.890 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.4
254	0.0	0.1	0.1#

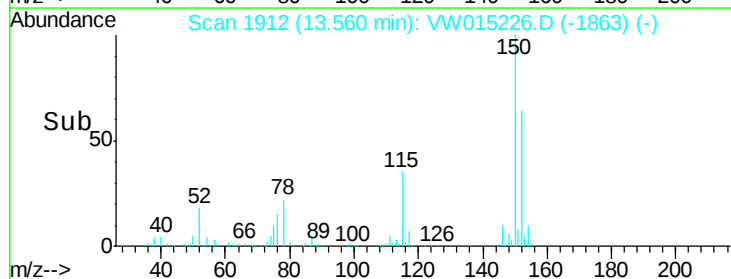
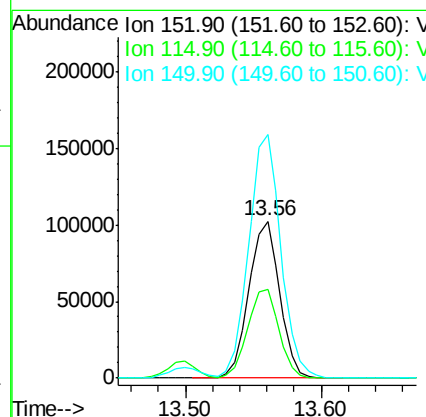
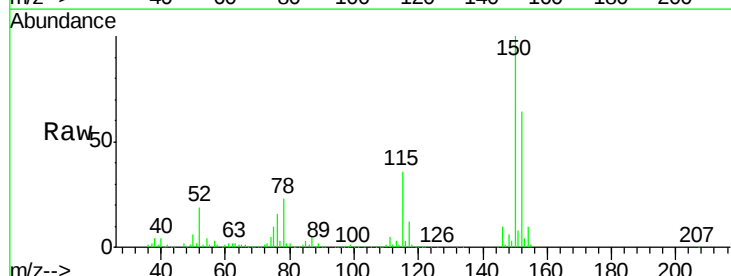
Manual Integrations
APPROVED

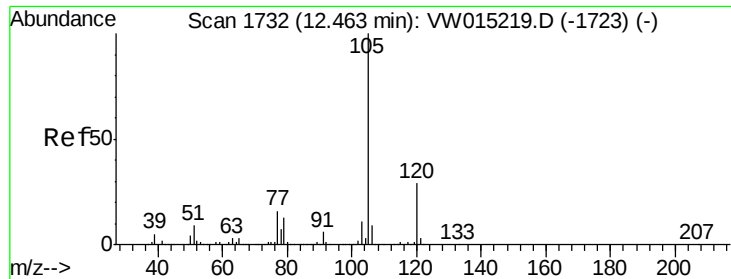
MMDadoda
4/21/2020 10:00:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	31.3	93.9
150	162.9	0.0	343.4





#73

Isopropylbenzene

Concen: 20.616 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 105 Resp: 231451

Ion Ratio Lower Upper

105 100

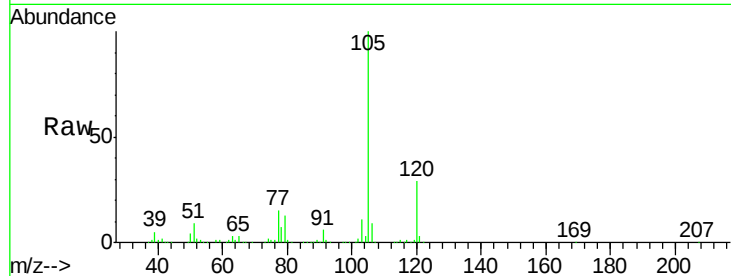
120 27.4 13.7 41.1

Manual Integrations

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MMDadoda

4/21/2020 10:00:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

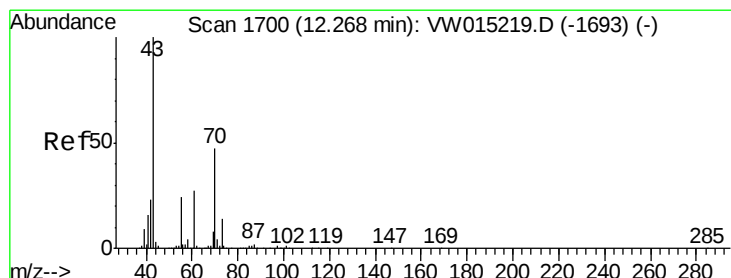
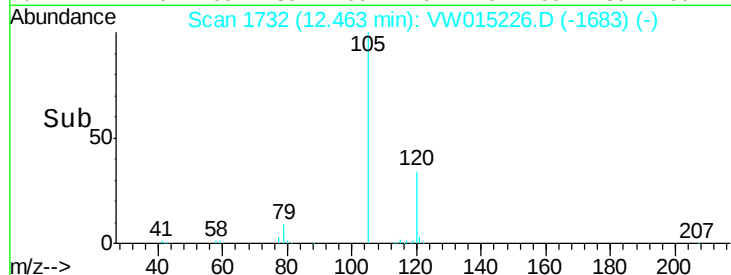
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.248 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion: 43 Resp: 39548

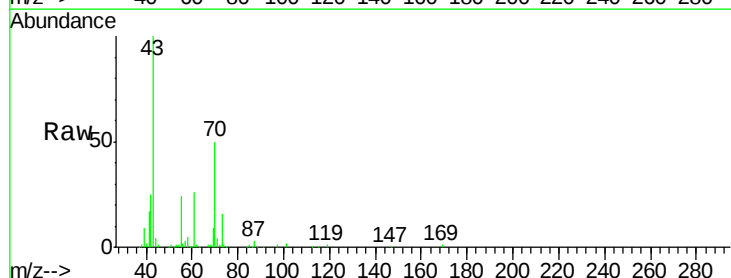
Ion Ratio Lower Upper

43 100

70 49.0 35.4 53.2

55 24.3 18.5 27.7

61 25.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

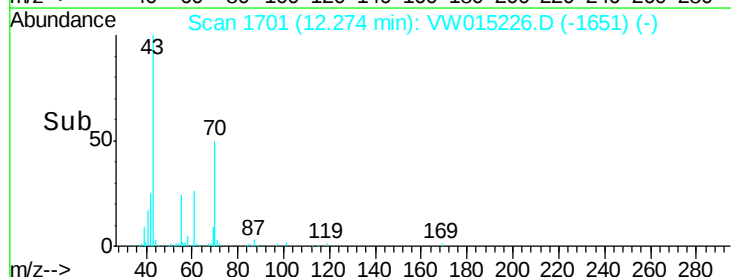
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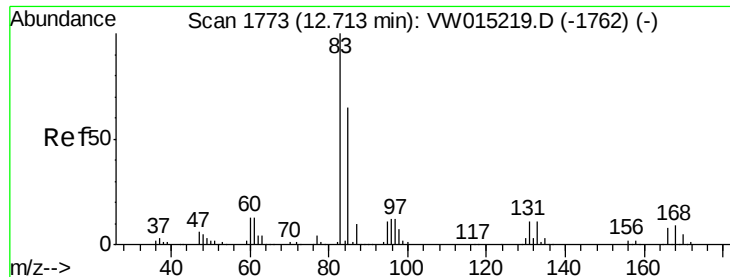
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

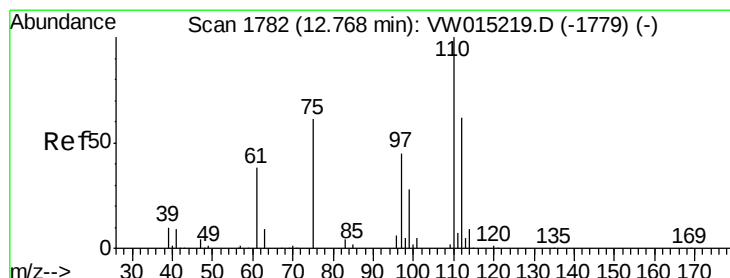
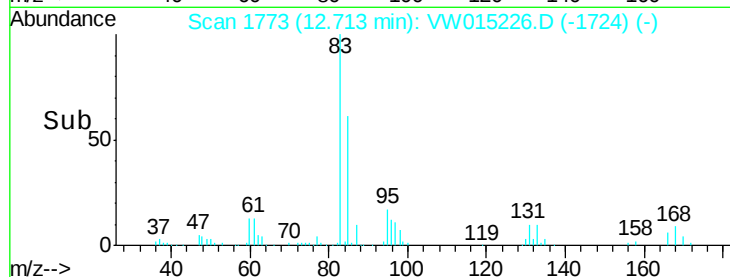
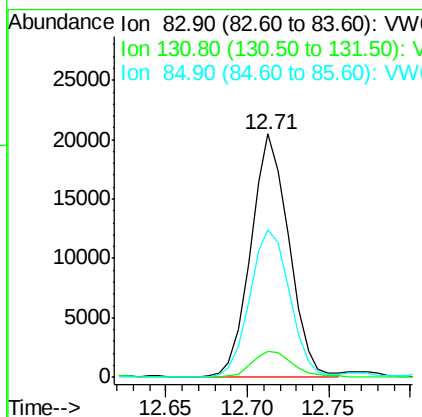
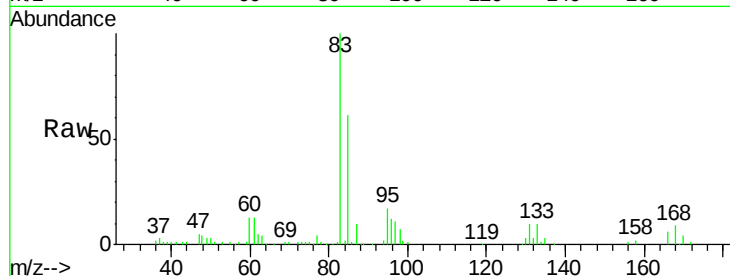
ClientSampleId :

VW0420SBS01

Tot Ion:	83	Resp:	33206
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.1	15.2
85	63.8	32.3	96.8

Manual Integrations
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MMDadoda
4/21/2020 10:00:55 AM



#76

1,2,3-Trichloropropane

Concen: 17.613 ug/l m

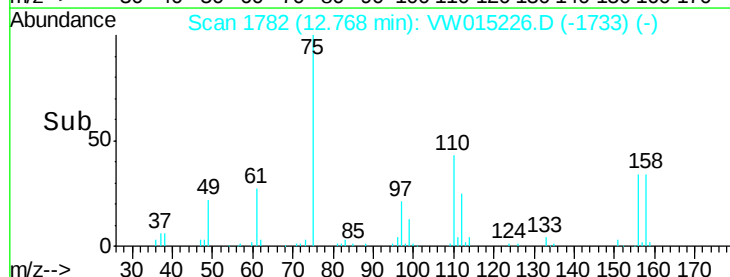
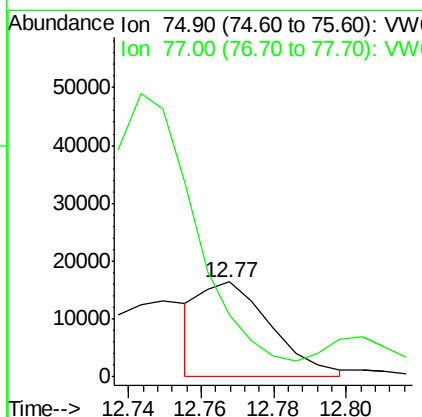
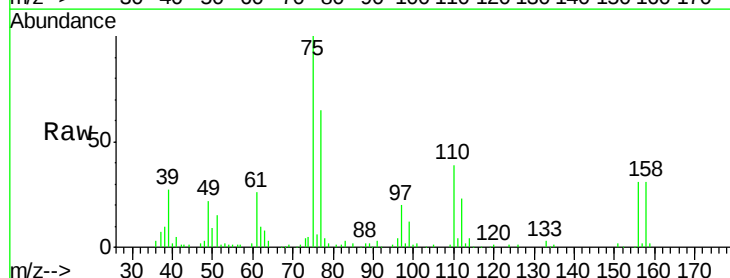
RT: 12.77 min Scan# 1782

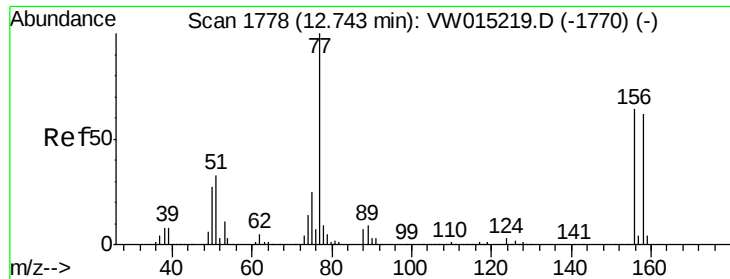
Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion:	75	Resp:	22063
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





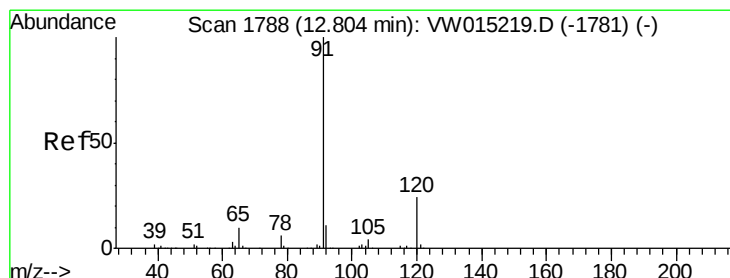
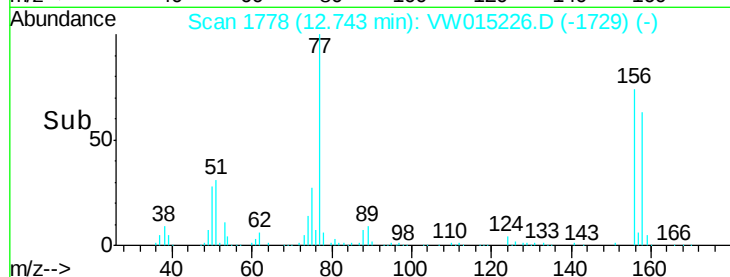
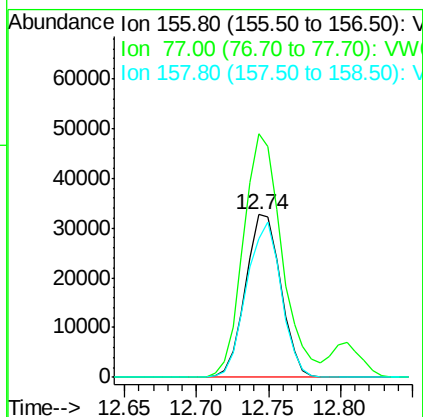
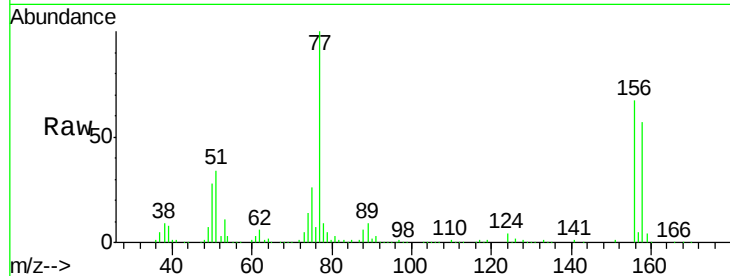
#77
Bromobenzene
Concen: 21.490 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.6	100.5	301.5
158	93.8	47.9	143.8

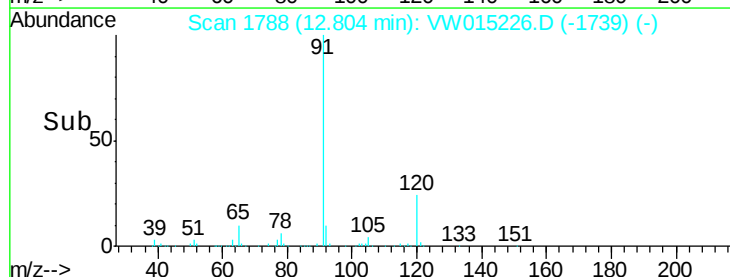
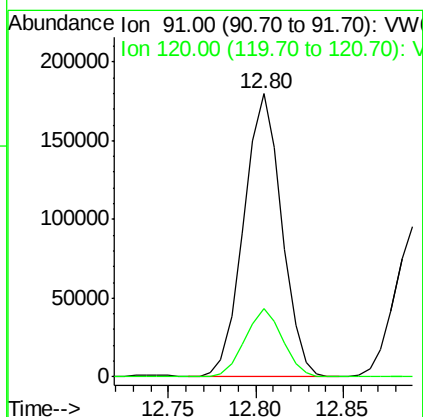
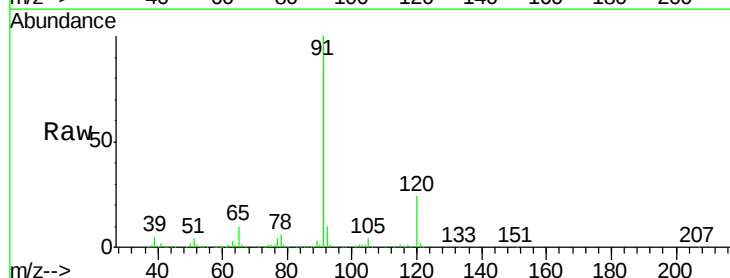
Manual Integrations
APPROVED

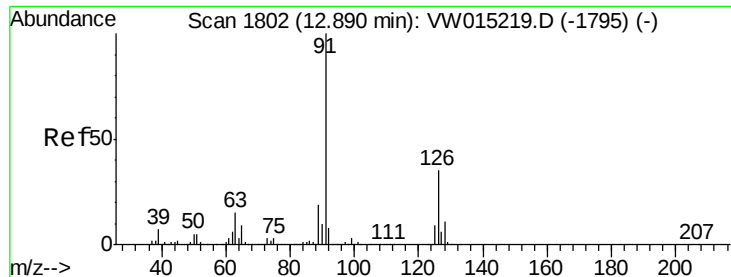
MMDadoda
4/21/2020 10:00:55 AM



#78
n-propylbenzene
Concen: 20.735 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.4	34.1





#79

2-Chlorotoluene

Concen: 20.755 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 91 Resp: 152894

Ion Ratio Lower Upper

91 100

126 34.6

16.8

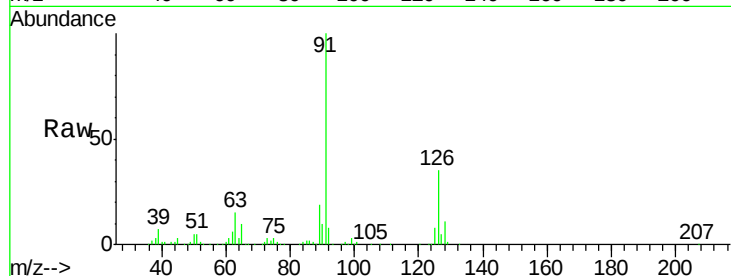
50.4

Manual Integrations

APPROVED

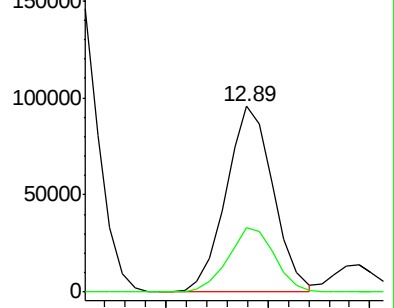
MMDadoda

4/21/2020 10:00:55 AM

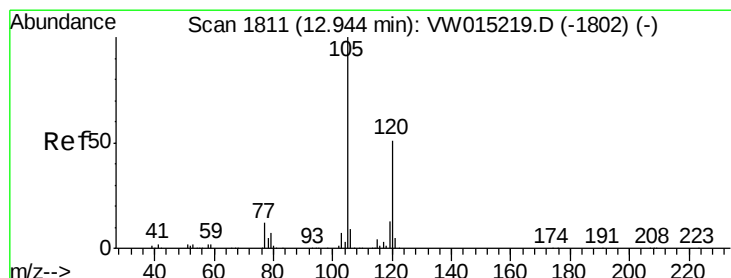
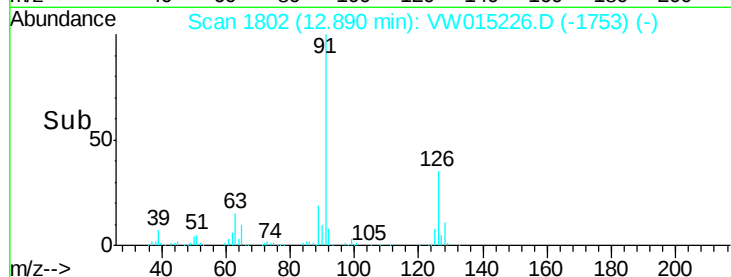


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.885 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion:105 Resp: 201982

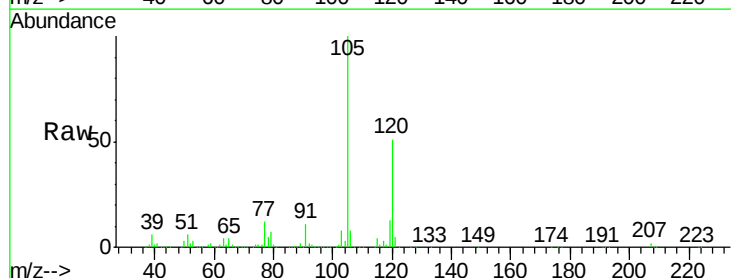
Ion Ratio Lower Upper

105 100

120 49.8

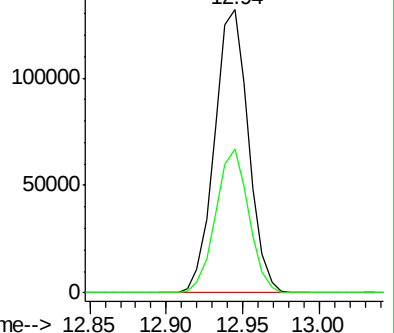
24.9

74.8

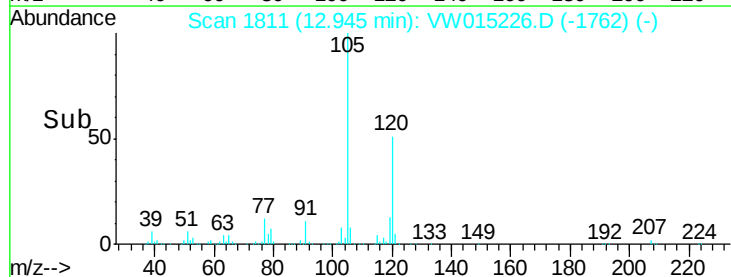


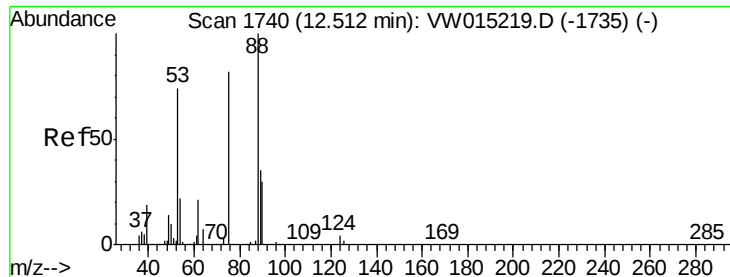
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





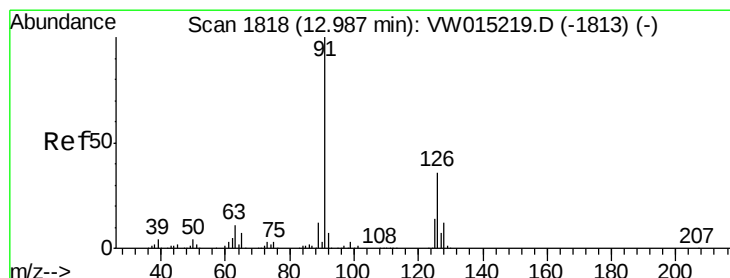
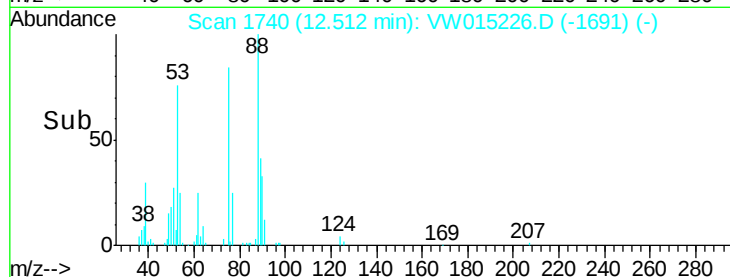
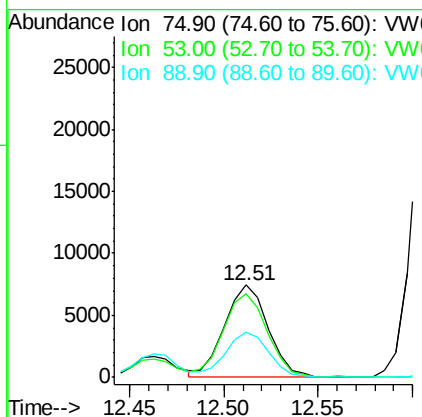
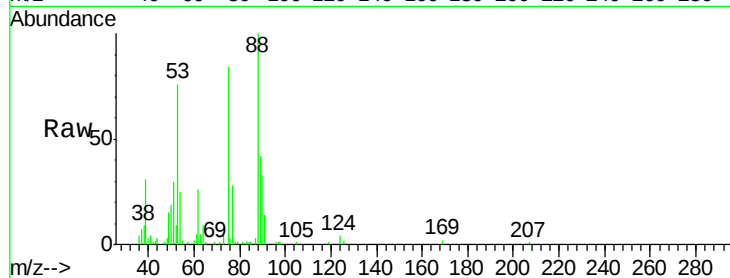
#81
trans-1,4-Dichloro-2-butene
Concen: 20.709 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	69.4	104.2
89	48.0	34.8	52.2

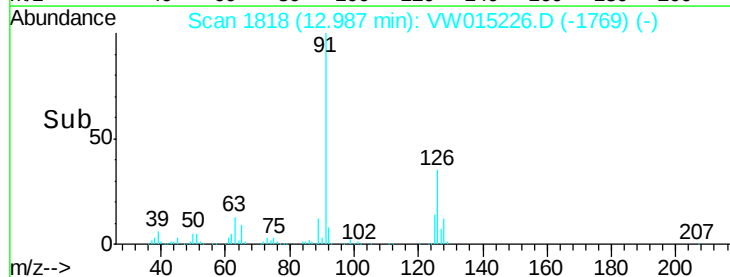
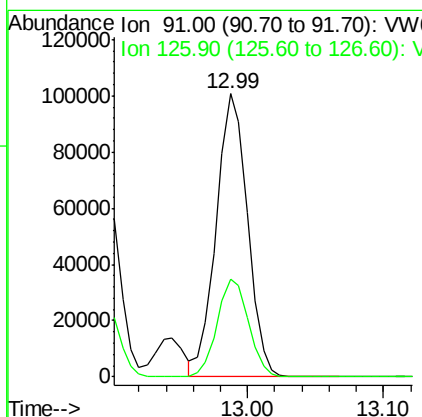
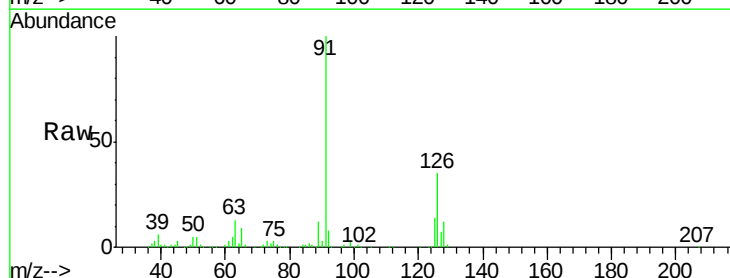
Manual Integrations
APPROVED

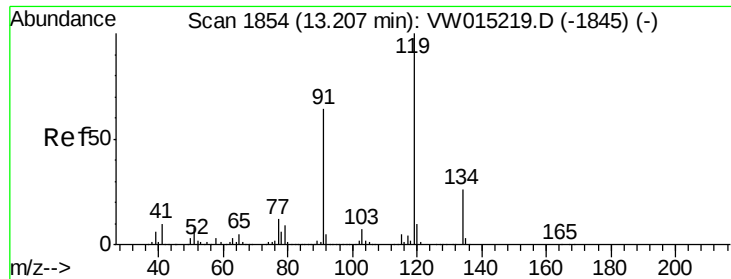
MMDadoda
4/21/2020 10:00:55 AM



#82
4-Chlorotoluene
Concen: 20.486 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.8	50.3





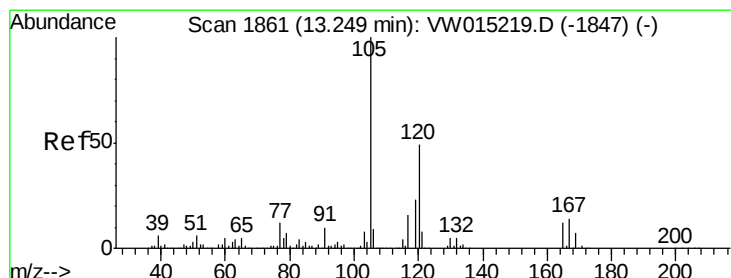
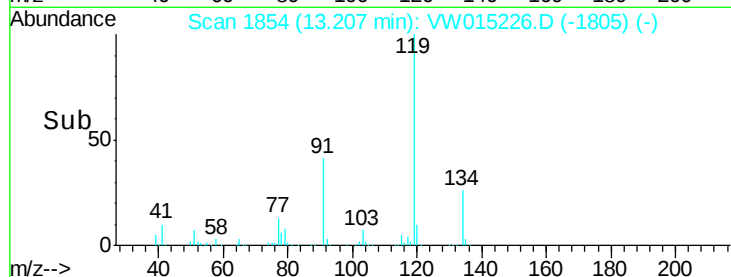
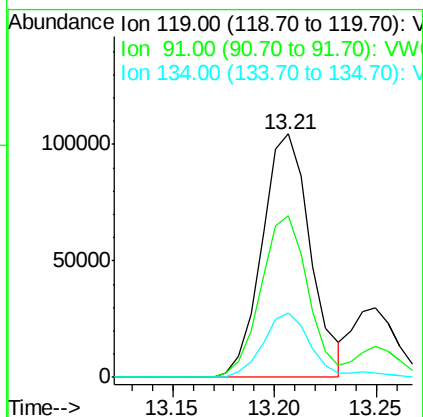
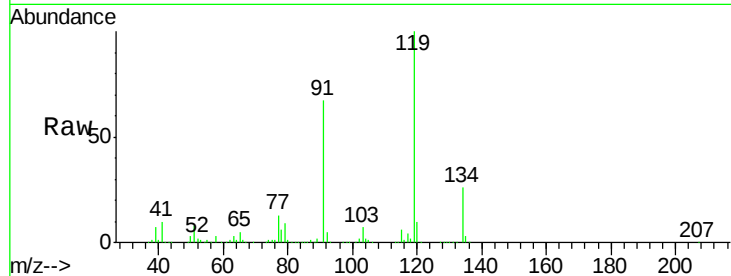
#83
tert-Butylbenzene
Concen: 20.508 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173349		
91	64.5	32.8	98.3	
134	26.9	13.3	39.9	

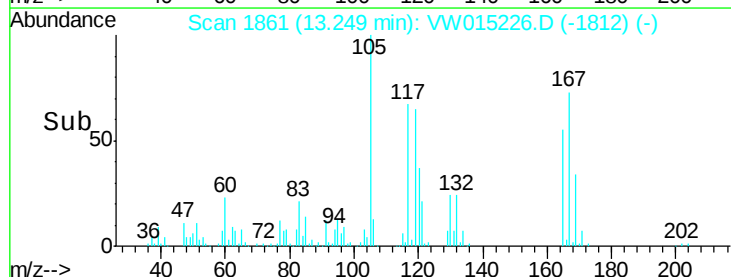
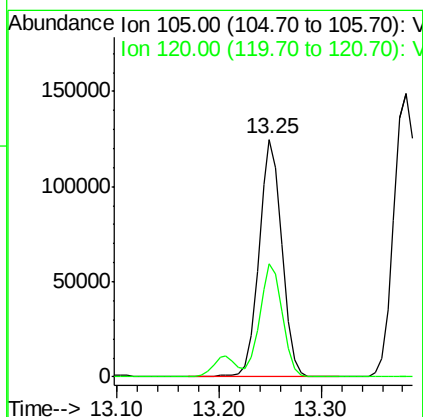
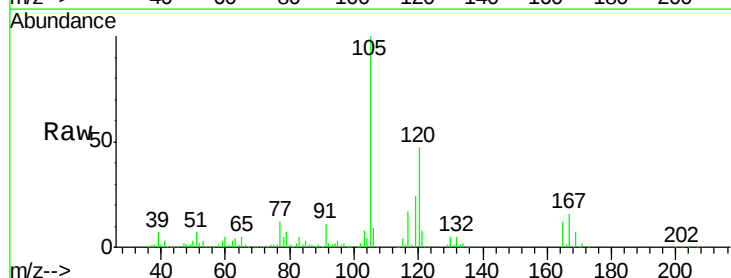
Manual Integrations
APPROVED

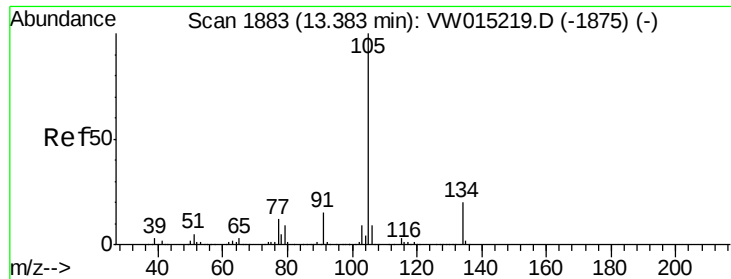
MMDadoda
4/21/2020 10:00:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.528 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195808		
120	46.5	23.0	69.0	





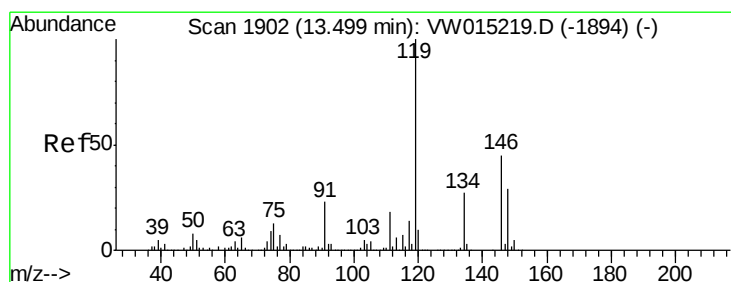
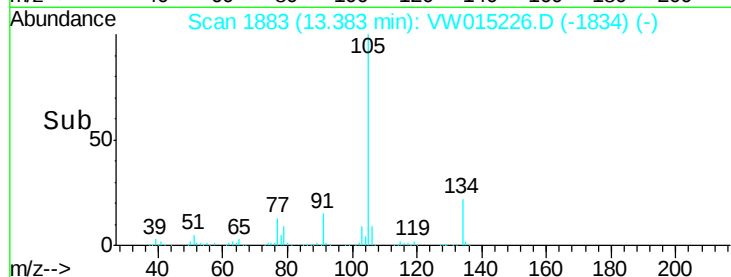
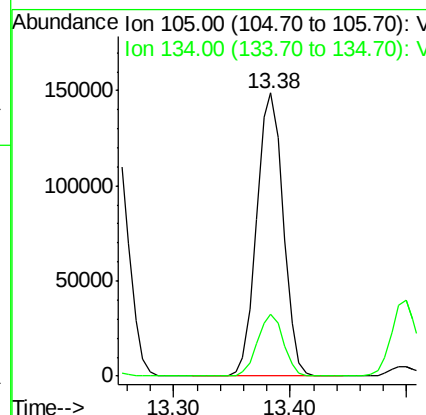
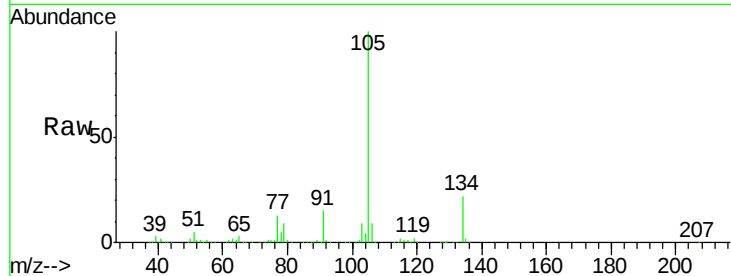
#85
 sec-Butylbenzene
 Concen: 20.353 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.1	30.1

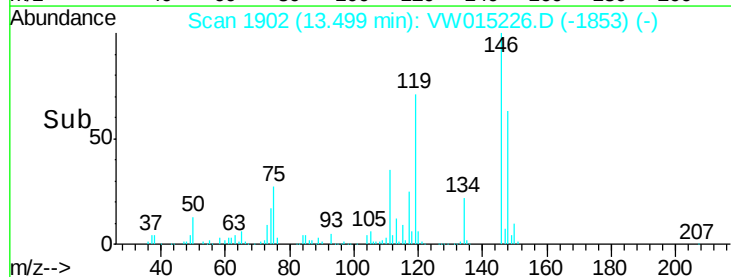
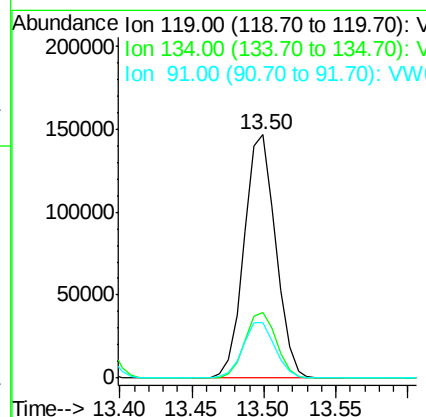
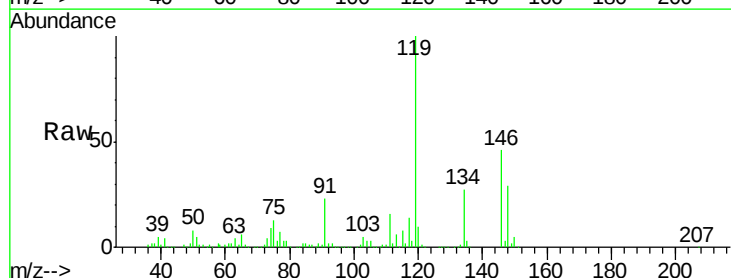
Manual Integrations
 APPROVED

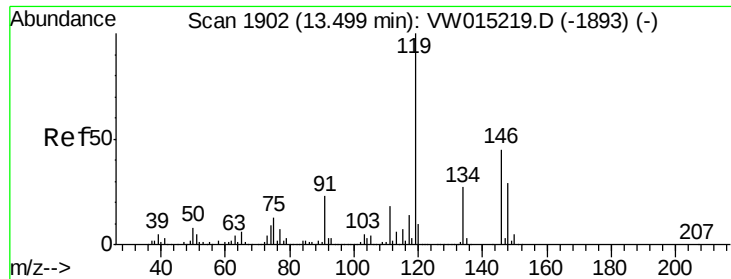
MMDadoda
 4/21/2020 10:00:55 AM



#86
 p-Isopropyltoluene
 Concen: 20.431 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.3	39.9
91	23.4	12.0	36.1





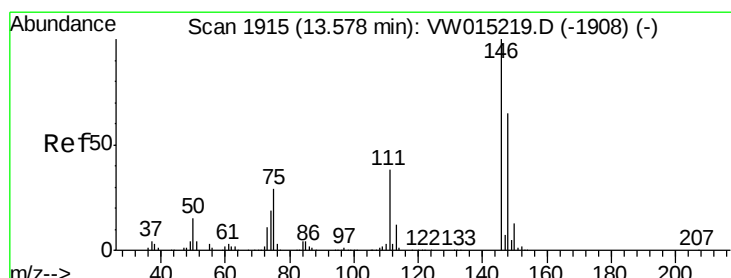
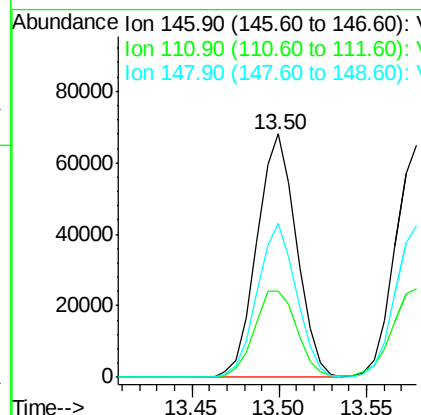
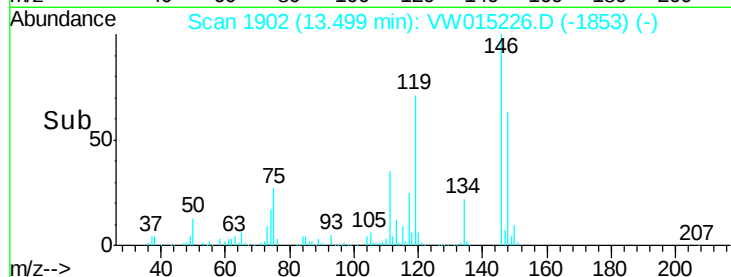
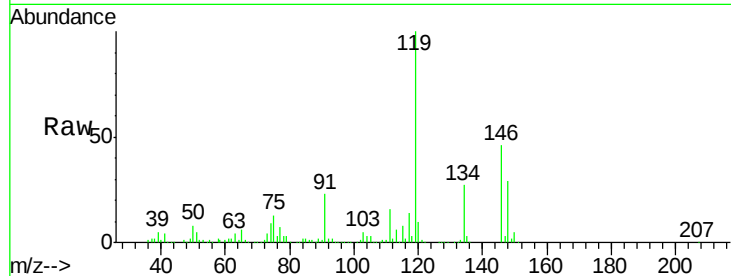
#87
 1,3-Dichlorobenzene
 Concen: 20.857 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106890		
111	38.3	21.1	63.4	
148	62.6	31.8	95.3	

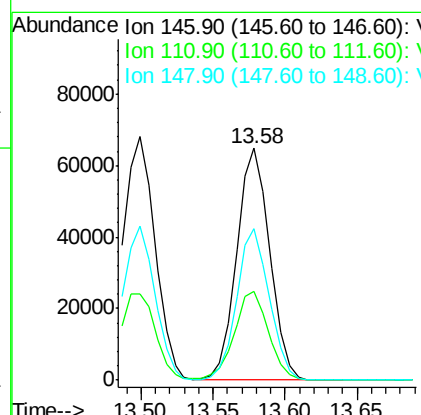
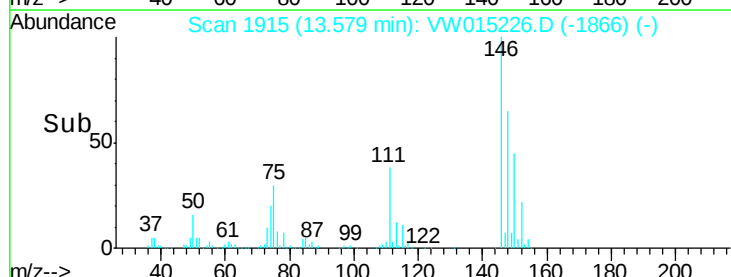
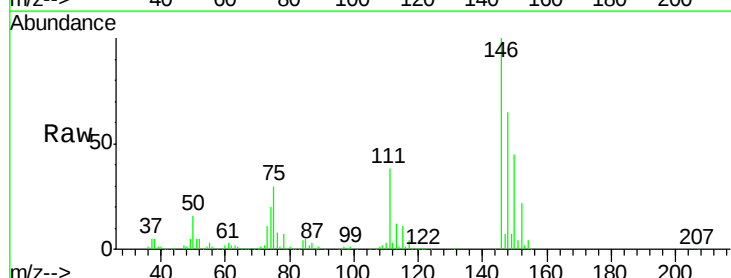
Manual Integrations
 APPROVED

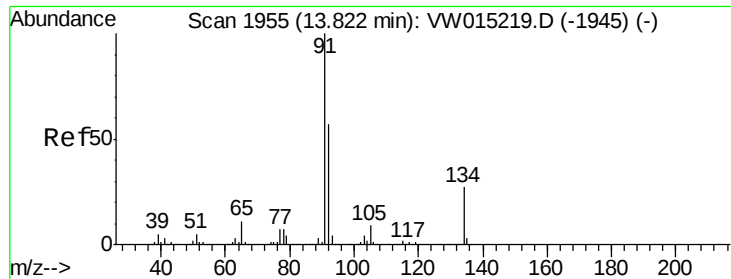
MMDadoda
 4/21/2020 10:00:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103576		
111	39.9	20.4	61.3	
148	64.5	31.5	94.5	





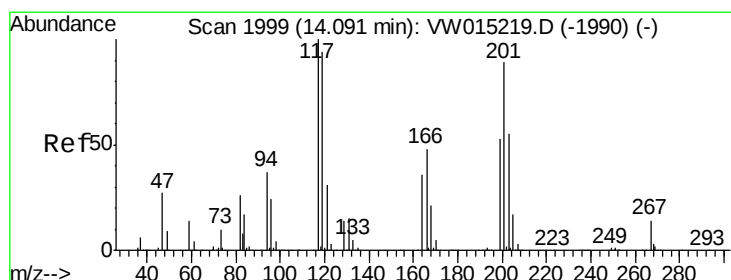
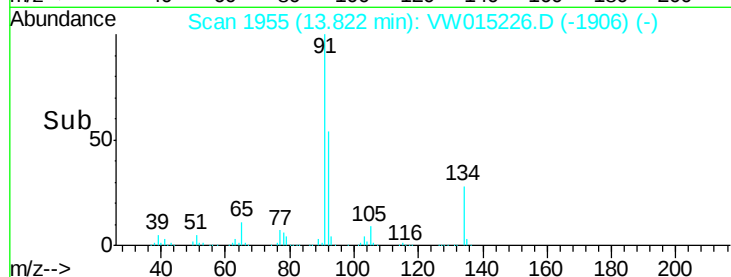
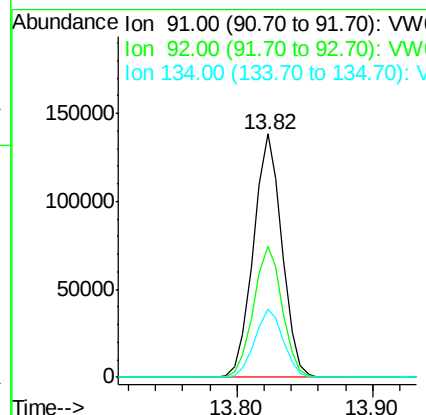
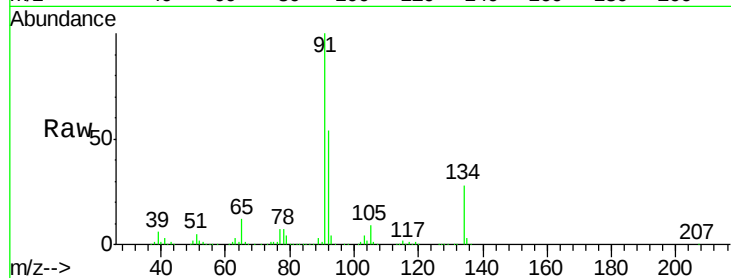
#89
n-Butylbenzene
Concen: 20.526 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203502		
92	53.9		27.6	82.7
134	28.1		12.8	38.3

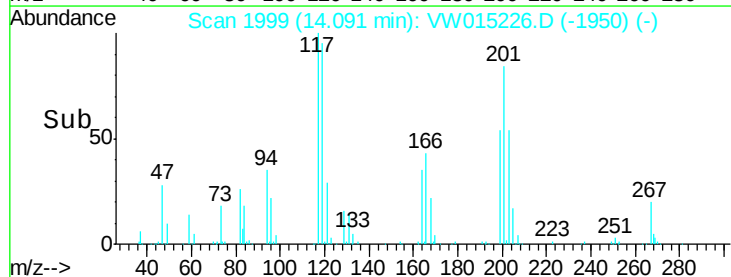
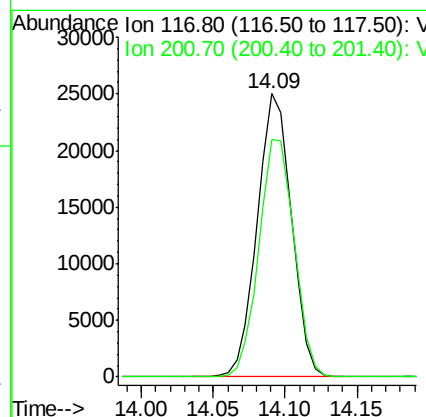
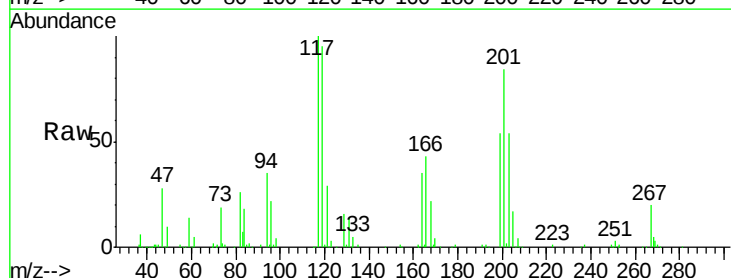
Manual Integrations
APPROVED

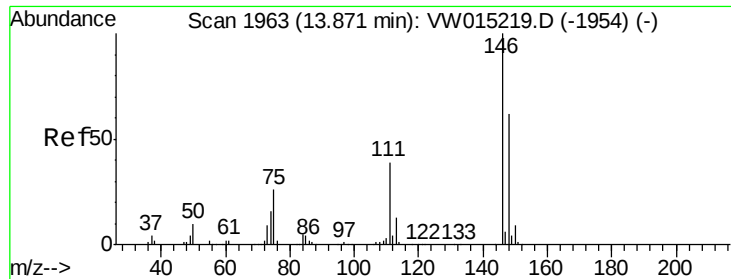
MMDadoda
4/21/2020 10:00:55 AM



#90
Hexachloroethane
Concen: 20.716 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41209		
201	86.3		33.6	100.6





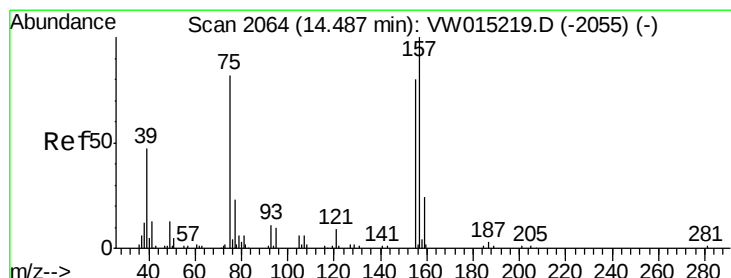
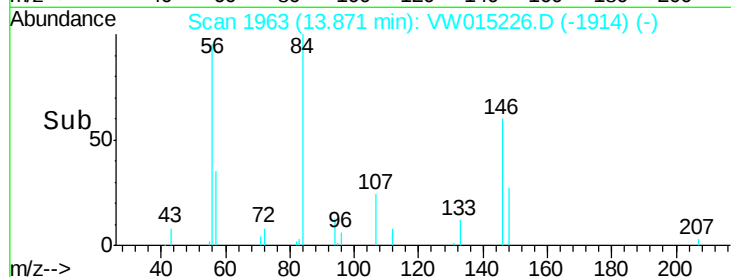
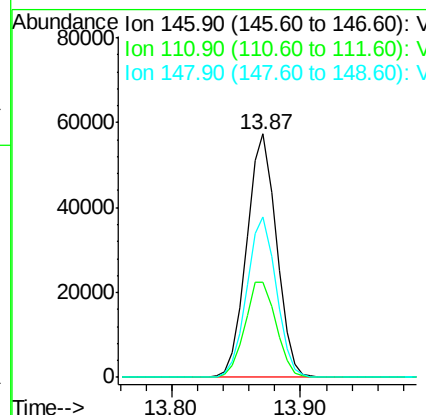
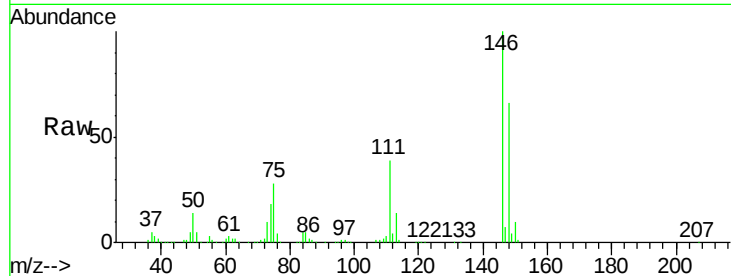
#91
 1,2-Dichlorobenzene
 Concen: 20.473 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	65.3	31.0	93.0

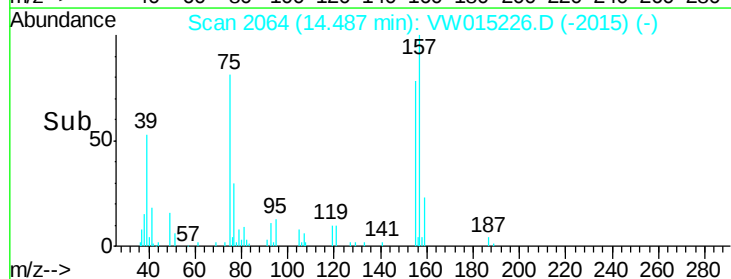
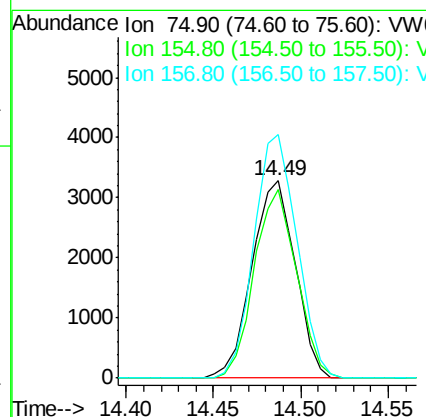
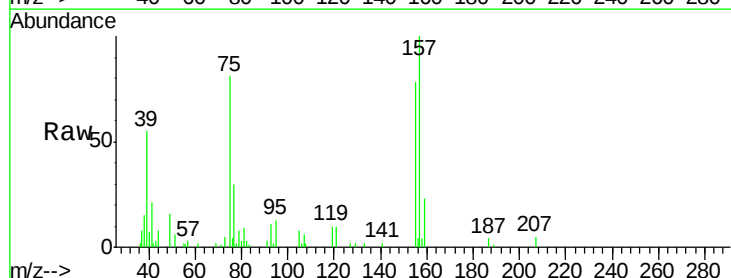
Manual Integrations
 APPROVED

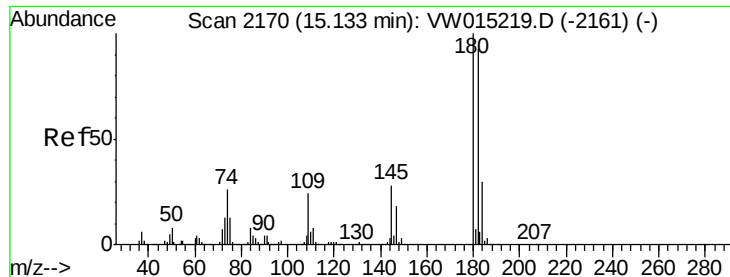
MMDadoda
 4/21/2020 10:00:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.586 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	41.6	124.9
157	122.3	53.8	161.2





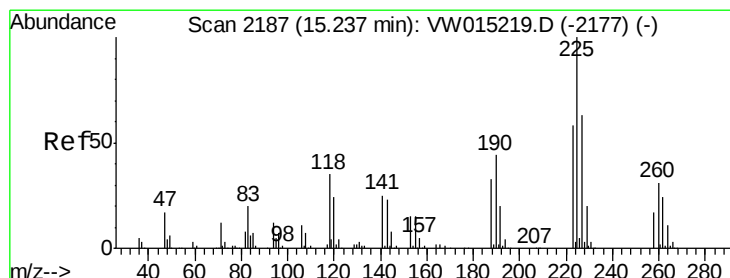
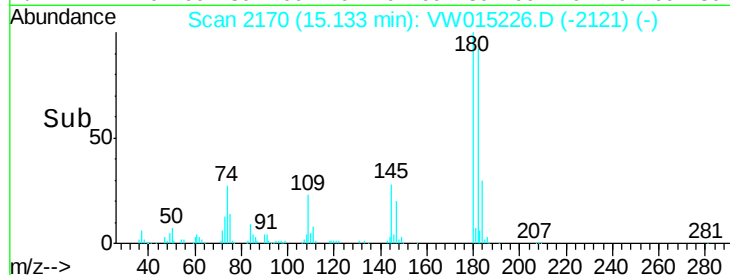
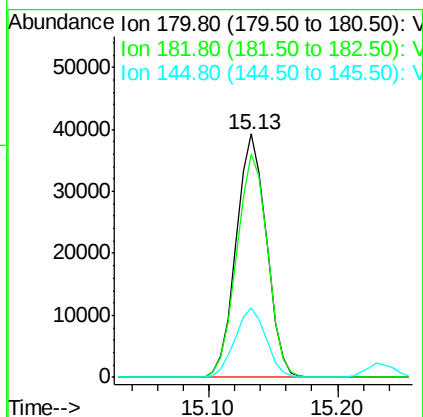
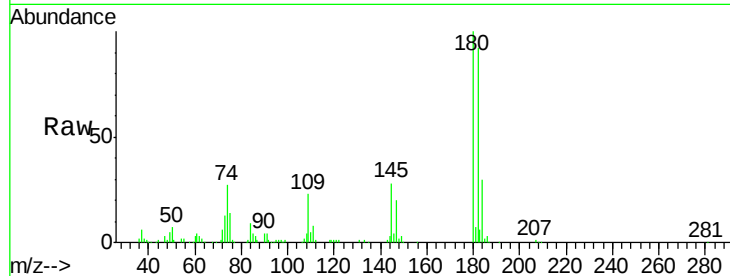
#93
 1,2,4-Trichlorobenzene
 Concen: 20.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64054		
182	93.6		47.1	141.4
145	29.1		16.2	48.6

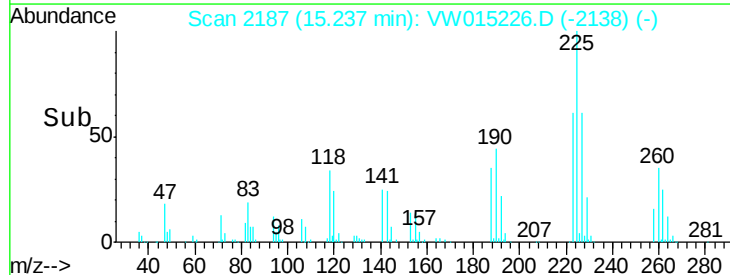
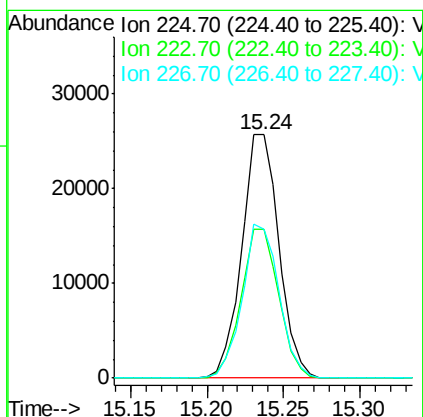
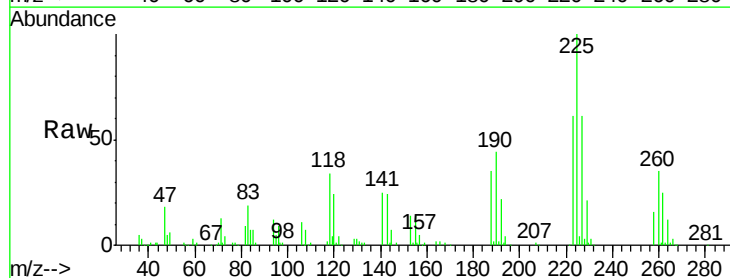
Manual Integrations
 APPROVED

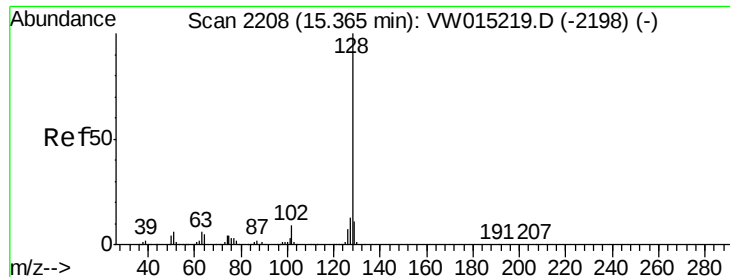
MMDadoda
 4/21/2020 10:00:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.039 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43421		
223	61.9		31.0	93.0
227	62.3		30.8	92.3





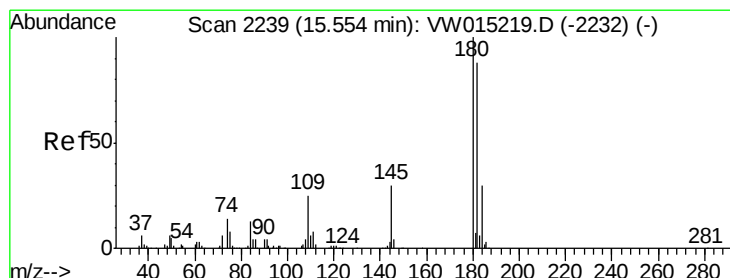
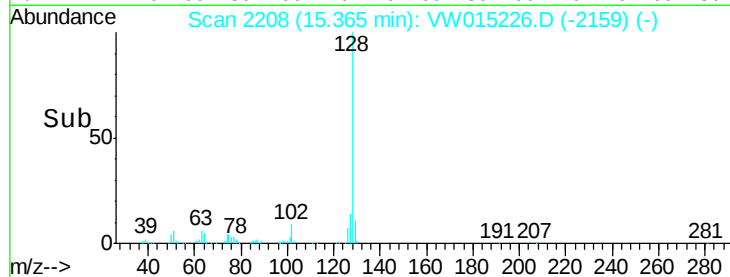
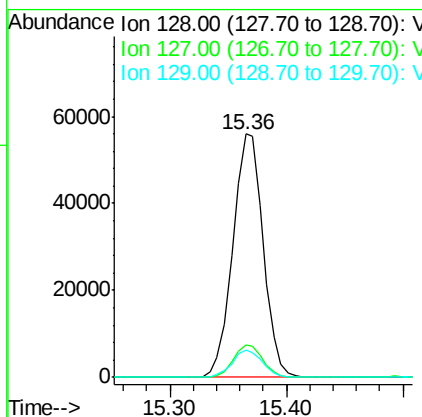
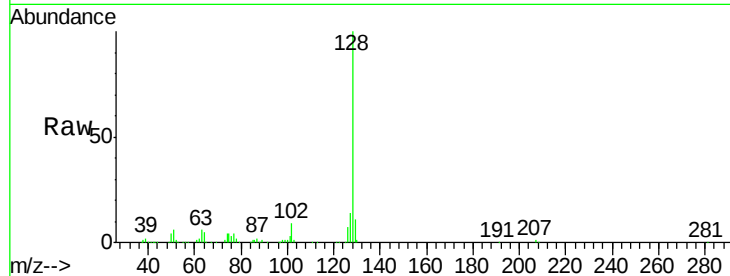
#95
Naphthalene
Concen: 20.360 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	101385		
127	12.9		10.3	15.5
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:00:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.779 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52334		
182	94.3		48.8	146.3
145	32.1		17.2	51.6

