

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015219.D
 Acq On : 20 Apr 2020 13:19
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:20 AM

Quant Time: Apr 20 13:55:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94547	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
35) Dibromofluoromethane	7.88	113	92860	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.32	98	392752	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	151198	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	89903	60.670	ug/l	96
3) Chloromethane	2.21	50	97394	47.425	ug/l	99
4) Vinyl Chloride	2.36	62	115632	47.815	ug/l	98
5) Bromomethane	2.77	94	80742	63.421	ug/l	91
6) Chloroethane	2.92	64	69149	57.967	ug/l	99
7) Trichlorofluoromethane	3.26	101	156036	100.693	ug/l	98
8) Diethyl Ether	3.69	74	43973	36.809	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94540	40.146	ug/l	93
10) Methyl Iodide	4.28	142	114002	32.418	ug/l	99
11) Tert butyl alcohol	5.17	59	31780	194.543	ug/l	99
12) 1,1-Dichloroethene	4.04	96	91210	37.607	ug/l	97
13) Acrolein	3.90	56	17910	105.458	ug/l	100
14) Allyl chloride	4.68	41	123848	34.519	ug/l	88
15) Acrylonitrile	5.37	53	83153	165.851	ug/l	99
16) Acetone	4.13	43	78758	200.943	ug/l	96
17) Carbon Disulfide	4.39	76	283899	38.459	ug/l	98
18) Methyl Acetate	4.68	43	38876	32.436	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	214142	67.418	ug/l	97
20) Methylene Chloride	4.92	84	100331	36.964	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	105675	41.296	ug/l	96
22) Diisopropyl ether	6.32	45	239602	33.113	ug/l	95
23) Vinyl Acetate	6.26	43	700401	166.673	ug/l	97
24) 1,1-Dichloroethane	6.22	63	165172	38.394	ug/l	98
25) 2-Butanone	7.17	43	102315	163.128	ug/l	95
26) 2,2-Dichloropropane	7.17	77	167605	58.539	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	113651	41.198	ug/l	99
28) Bromochloromethane	7.51	49	62716	34.881	ug/l #	77
29) Tetrahydrofuran	7.53	42	64067	155.830	ug/l	90
30) Chloroform	7.68	83	178381	42.329	ug/l	100
31) Cyclohexane	7.96	56	157284	34.203	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	169183	47.657	ug/l	99
36) 1,1-Dichloropropene	8.09	75	143500	48.814	ug/l	98
37) Ethyl Acetate	7.26	43	45575	37.250	ug/l #	96
38) Carbon Tetrachloride	8.07	117	154393	57.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	188453	47.705	ug/l	98
40) Benzene	8.32	78	385871	46.226	ug/l	96
41) Methacrylonitrile	7.48	41	25022	34.564	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	111119	52.450	ug/l	99
43) Isopropyl Acetate	8.43	43	96004	40.153	ug/l	96
44) Trichloroethene	9.09	130	117265	53.464	ug/l	96
45) 1,2-Dichloropropane	9.37	63	88588	43.135	ug/l	99
46) Dibromomethane	9.46	93	50195	48.904	ug/l #	89
47) Bromodichloromethane	9.65	83	135998	51.104	ug/l	99
48) Methyl methacrylate	9.43	41	47459	42.437	ug/l	92
49) 1,4-Dioxane	9.45	88	14388	883.579	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	225180	178.067	ug/l	97
52) Toluene	10.38	92	270422	50.612	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	136648	50.470	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	158027	48.380	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70666	48.590	ug/l	99
56) Ethyl methacrylate	10.65	69	92434	46.123	ug/l	93
57) 1,3-Dichloropropane	10.93	76	118884	46.509	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	225155	227.002	ug/l	91
59) 2-Hexanone	10.97	43	162521	204.775	ug/l	98
60) Dibromochloromethane	11.13	129	94660	54.551	ug/l	99
61) 1,2-Dibromoethane	11.23	107	70112	50.023	ug/l	100
64) Tetrachloroethene	10.86	164	104376	57.364	ug/l	95
65) Chlorobenzene	11.65	112	292674	50.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	104769	52.006	ug/l	97
67) Ethyl Benzene	11.73	91	545415	49.568	ug/l	100
68) m/p-Xylenes	11.84	106	435699	104.341	ug/l	98
69) o-Xylene	12.16	106	202679	51.785	ug/l	99
70) Styrene	12.18	104	347018	52.484	ug/l	100
71) Bromoform	12.35	173	58881	58.853	ug/l #	97
73) Isopropylbenzene	12.46	105	560448	43.422	ug/l	100
74) N-amyl acetate	12.27	43	98509	32.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	76932	35.574	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61161m	41.281	ug/l	
77) Bromobenzene	12.74	156	132918	49.707	ug/l	84
78) n-propylbenzene	12.80	91	662149	42.539	ug/l	97
79) 2-Chlorotoluene	12.89	91	375346	43.620	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	491914	45.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29063	37.953	ug/l	96
82) 4-Chlorotoluene	12.99	91	399781	43.975	ug/l	98
83) tert-Butylbenzene	13.21	119	424971	45.097	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487462	45.127	ug/l	100
85) sec-Butylbenzene	13.38	105	593292	44.299	ug/l	98
86) p-Isopropyltoluene	13.50	119	562037	47.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	262736	49.318	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	257599	48.740	ug/l	97
89) n-Butylbenzene	13.82	91	511348	43.283	ug/l	98
90) Hexachloroethane	14.09	117	100049	43.545	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	227764	48.087	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14496	41.399	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	160035	51.206	ug/l	98
94) Hexachlorobutadiene	15.24	225	102529	56.863	ug/l	98
95) Naphthalene	15.36	128	260531	43.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130898	48.804	ug/l	97

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

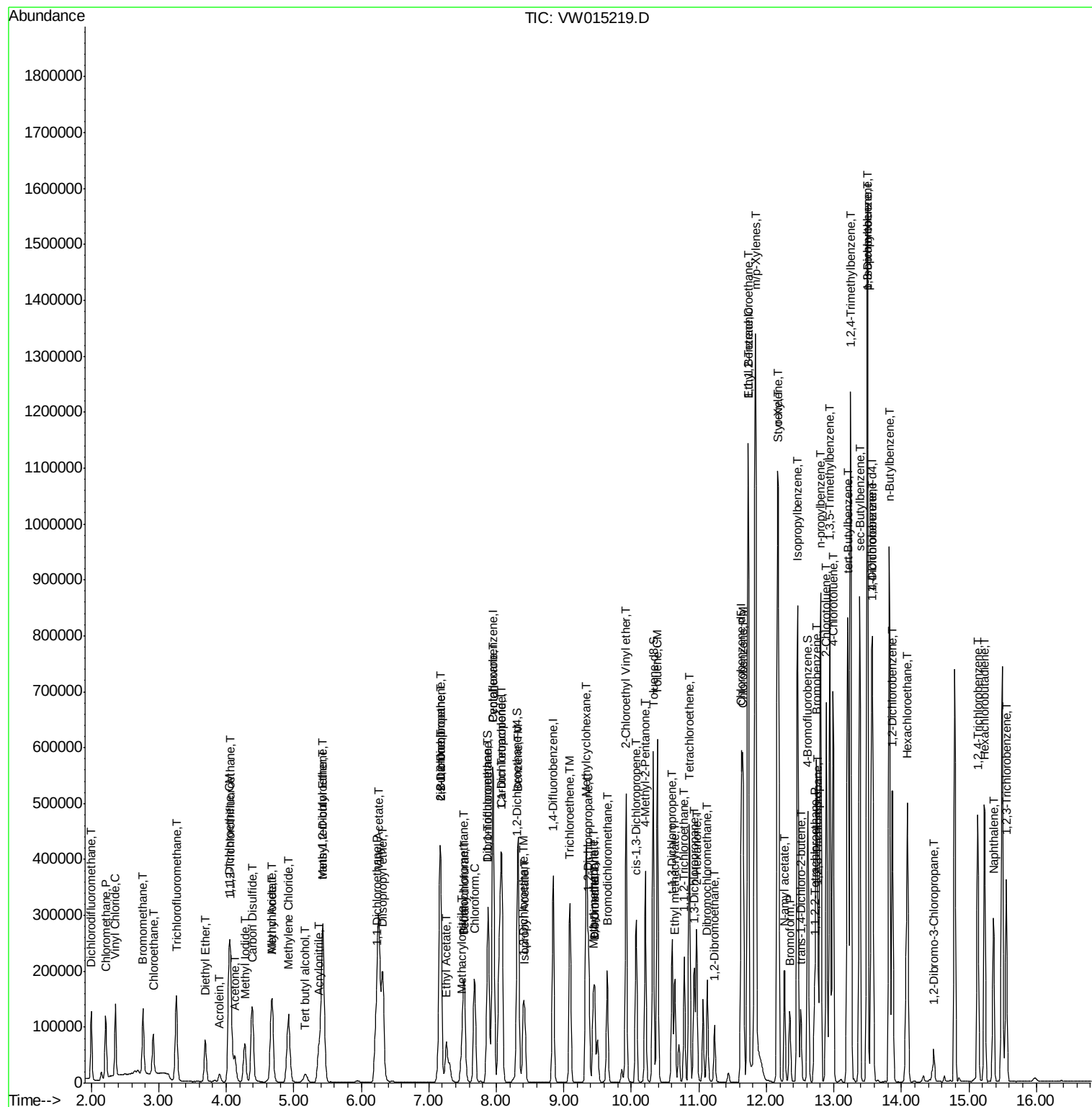
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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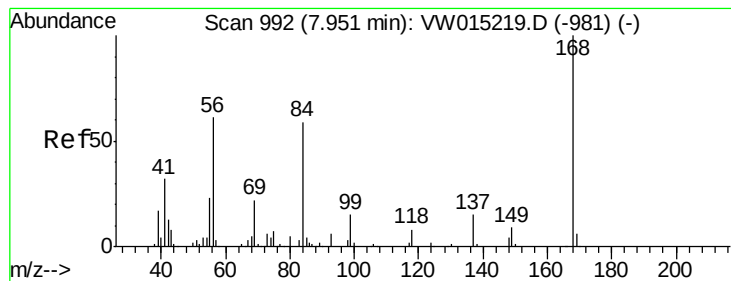
Instrument :
MSVOA_W
Client Sampled :
VSTDICCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 232721

Ion Ratio Lower Upper

168 100

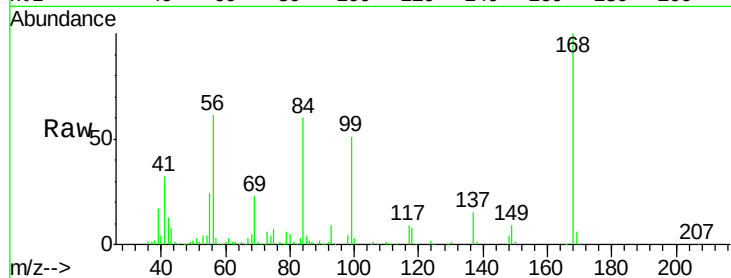
99 51.0 48.5 72.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

0

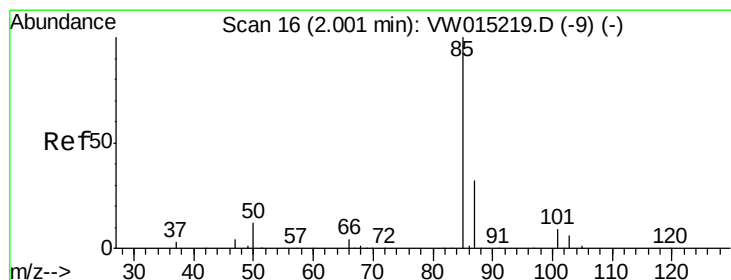
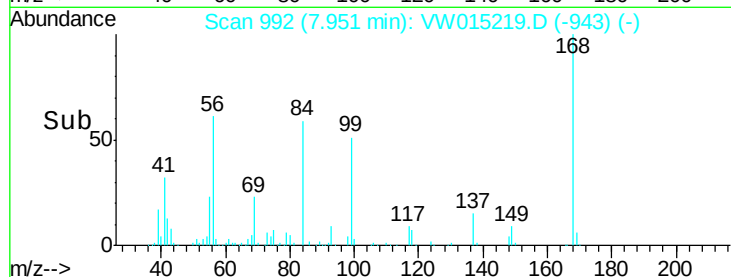
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 60.670 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015219.D

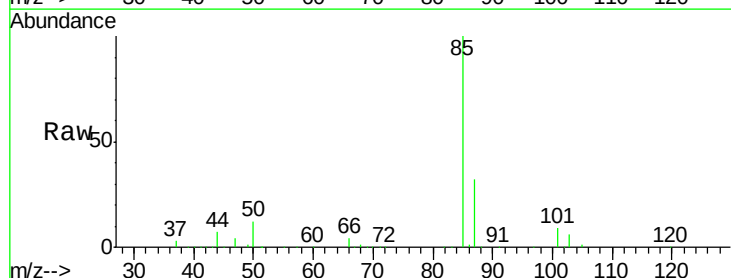
Acq: 20 Apr 2020 13:19

Tgt Ion: 85 Resp: 89903

Ion Ratio Lower Upper

85 100

87 32.4 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

40000

20000

0

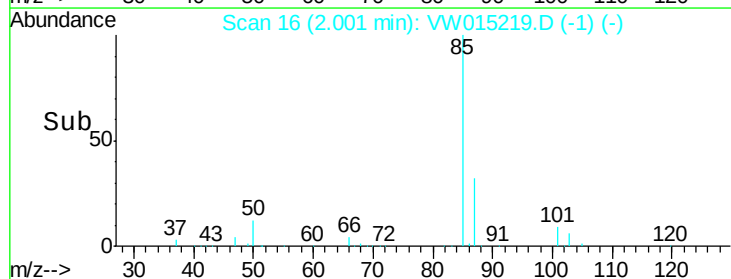
1.95

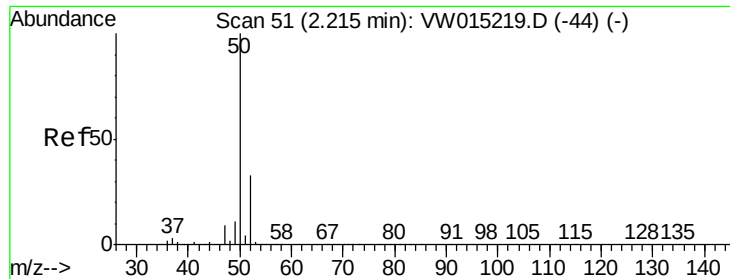
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.425 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 97394

Ion Ratio Lower Upper

50 100

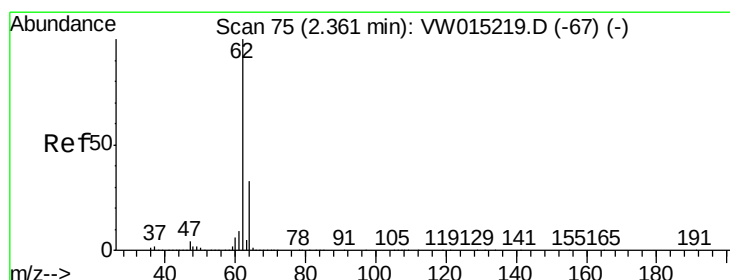
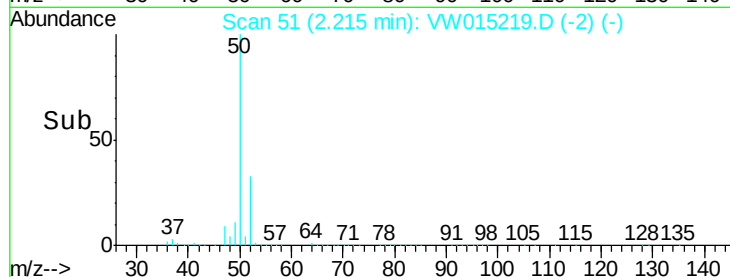
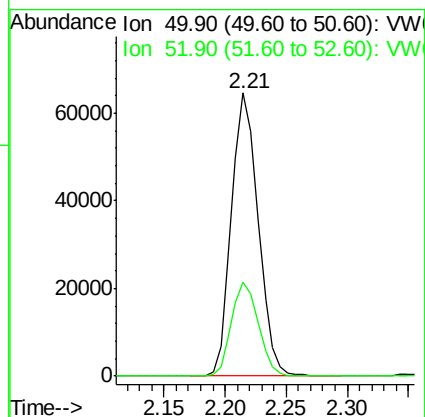
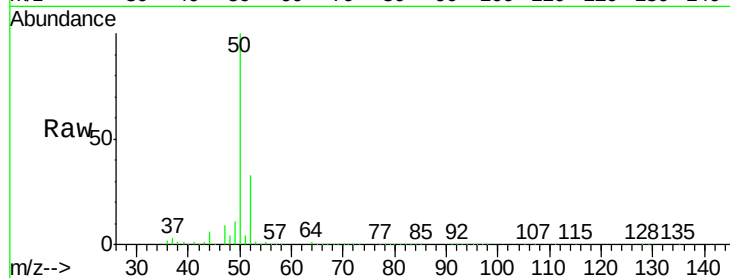
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.815 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015219.D

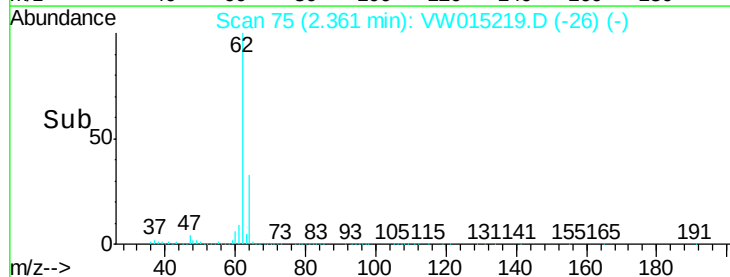
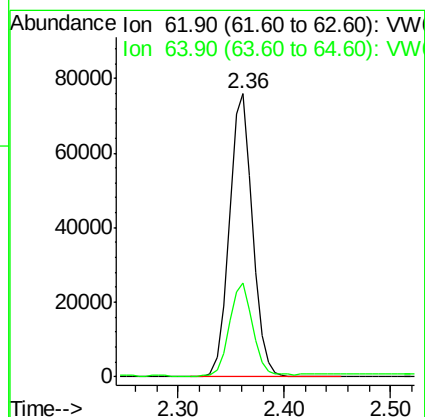
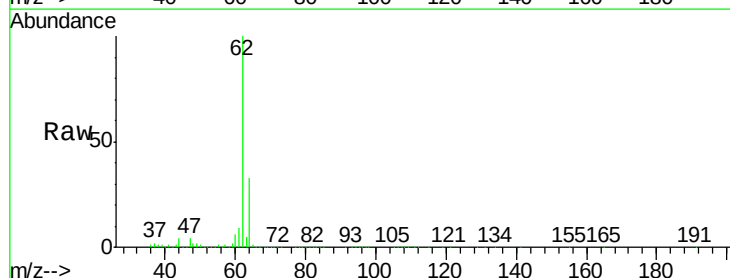
Acq: 20 Apr 2020 13:19

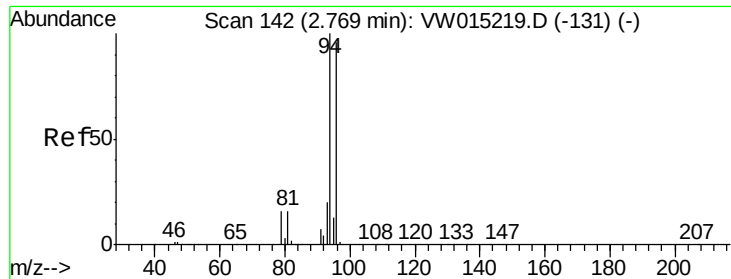
Tgt Ion: 62 Resp: 115632

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2





#5

Bromomethane

Concen: 63.421 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 80742

Ion Ratio Lower Upper

94 100

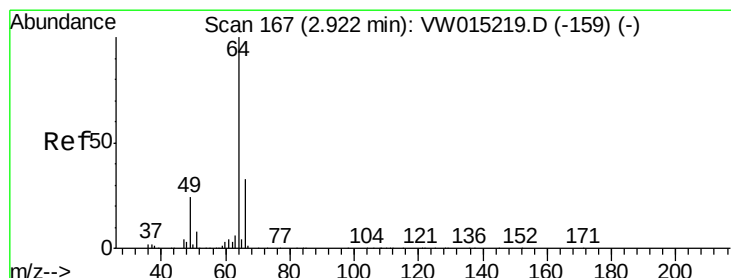
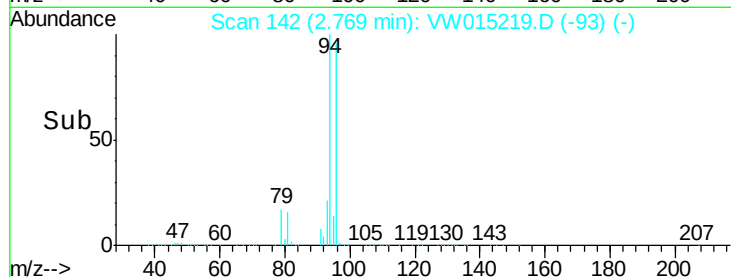
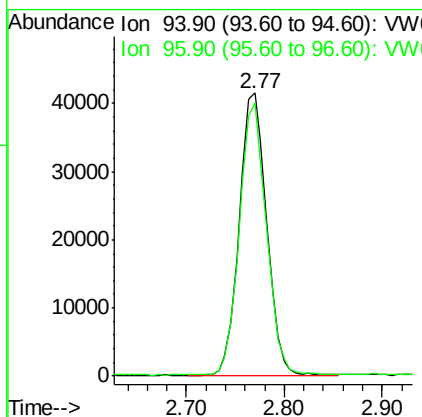
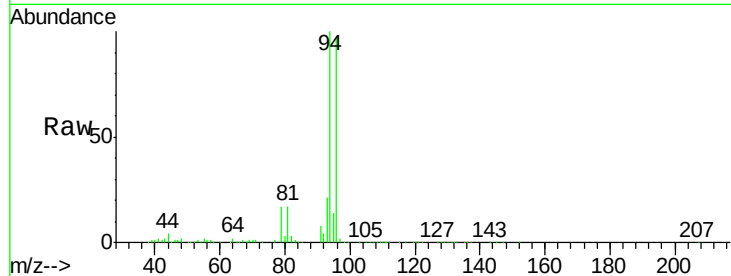
96 96.3 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 57.967 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015219.D

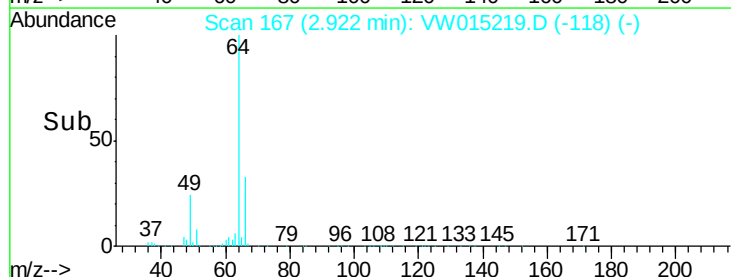
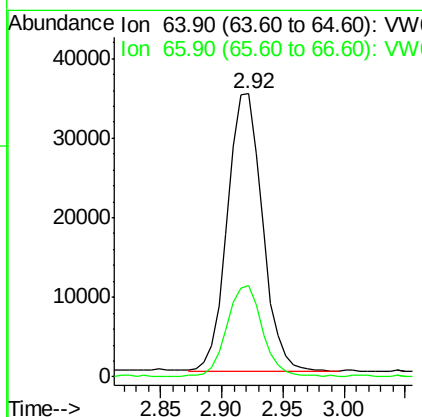
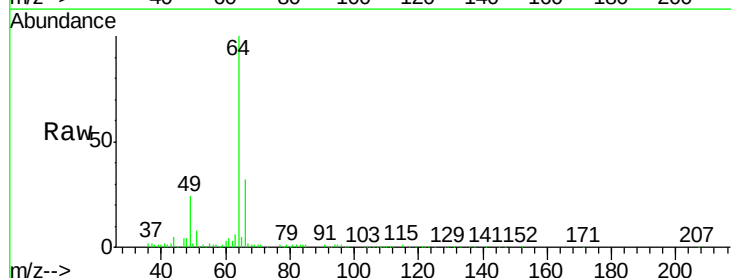
Acq: 20 Apr 2020 13:19

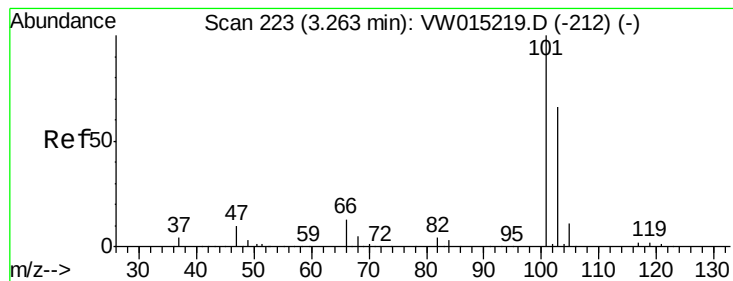
Tgt Ion: 64 Resp: 69149

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.6





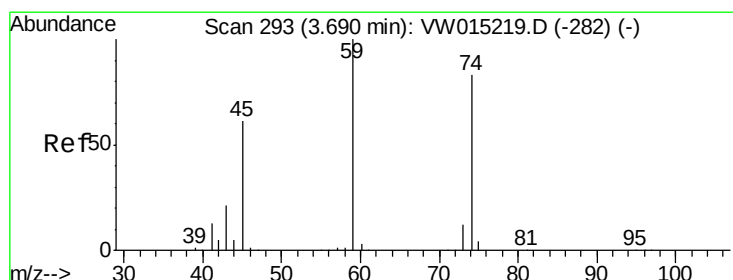
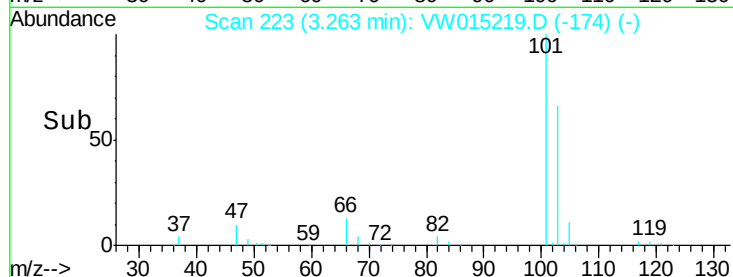
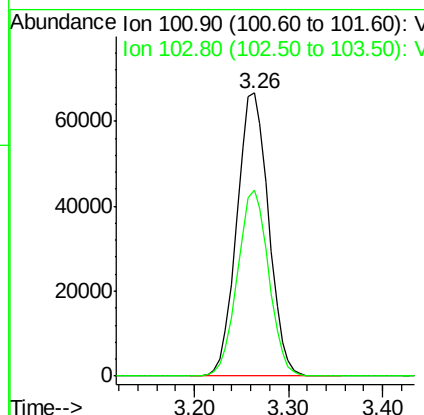
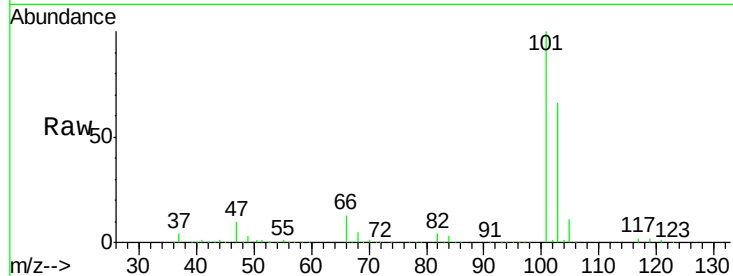
#7
 Trichlorofluoromethane
 Concen: 100.693 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 156036
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.3 76.9

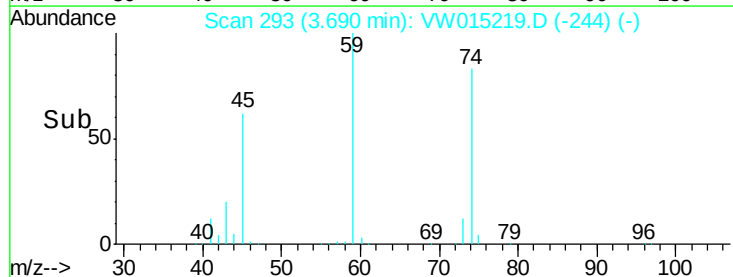
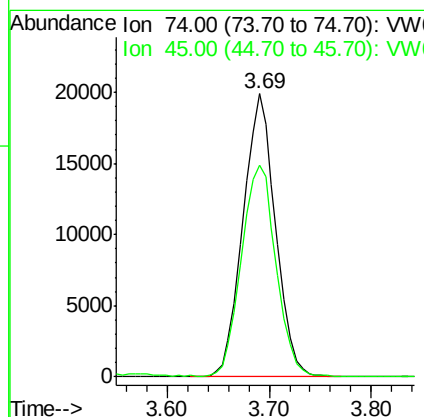
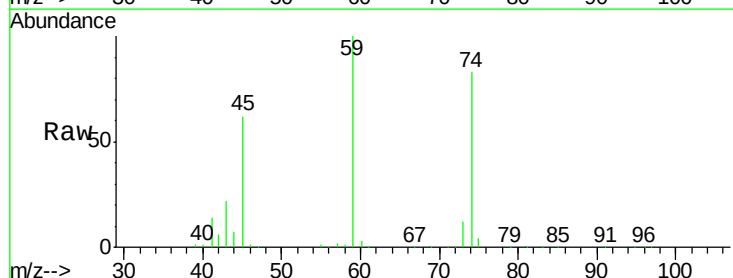
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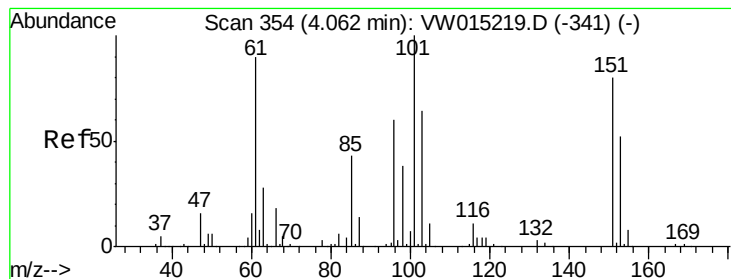
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 4/21/2020 10:01:20 AM



#8
 Diethyl Ether
 Concen: 36.809 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion: 74 Resp: 43973
 Ion Ratio Lower Upper
 74 100
 45 79.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.146 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

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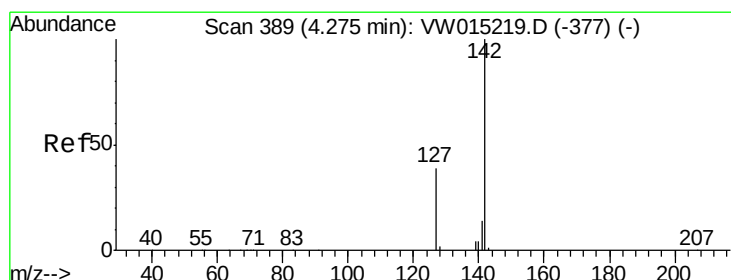
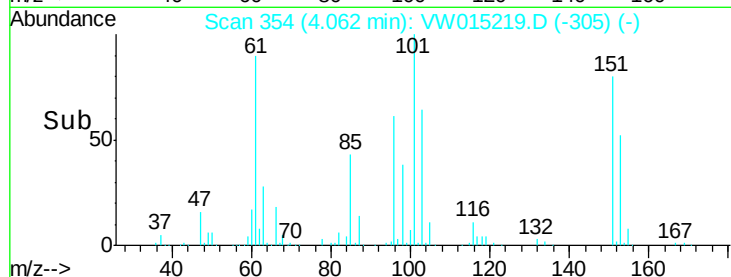
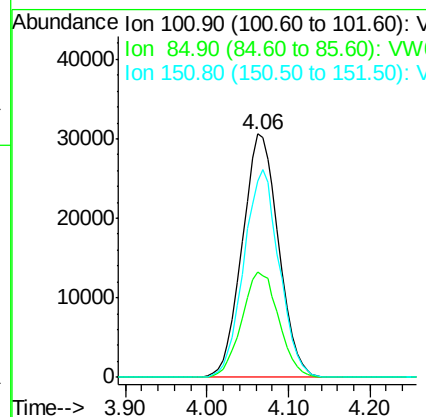
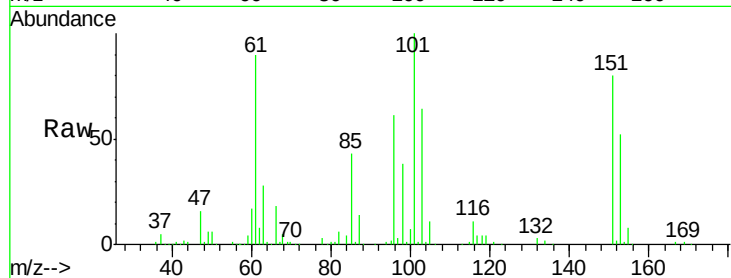
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	94540
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	83.3	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 32.418 ug/l

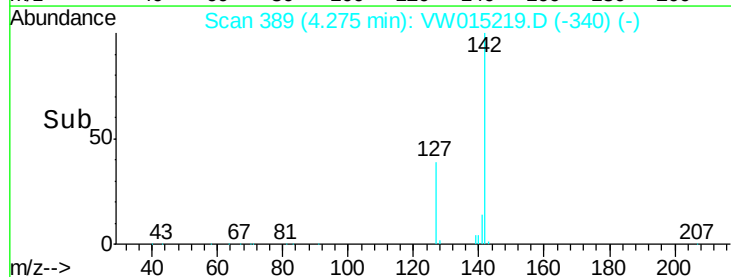
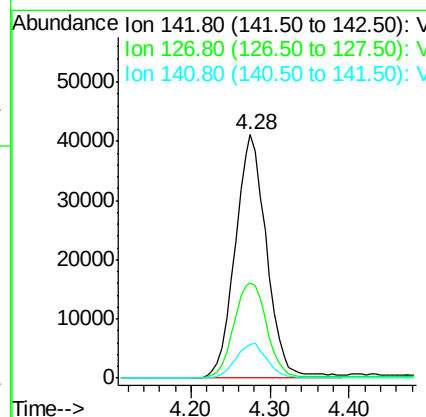
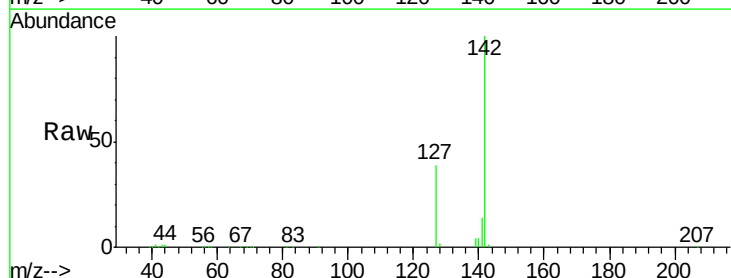
RT: 4.28 min Scan# 389

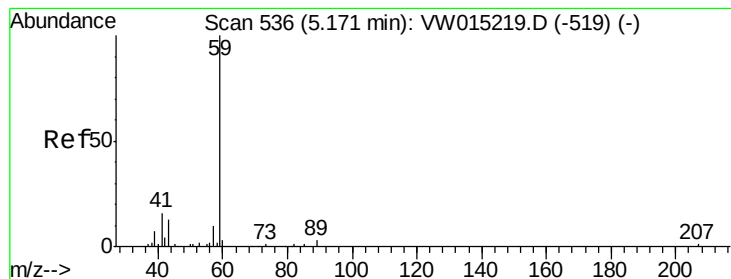
Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Tgt Ion:	142	Resp:	114002
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.9	50.9
141	14.2	11.4	17.2





#11

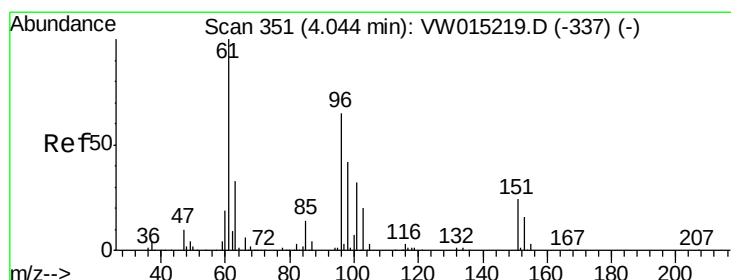
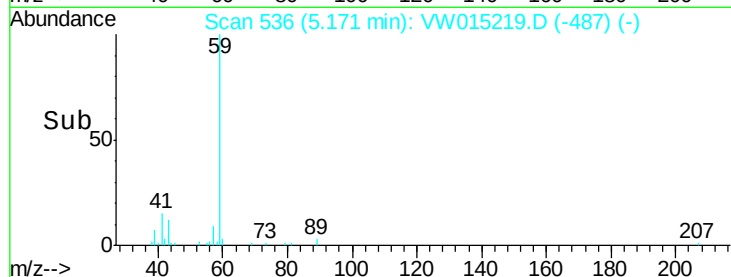
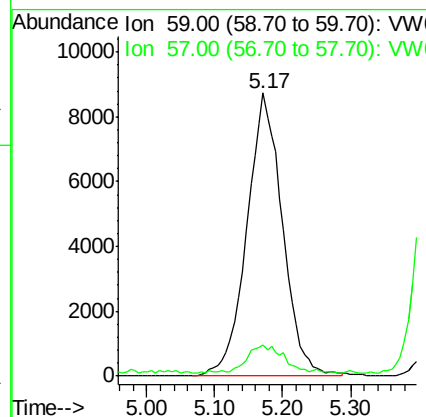
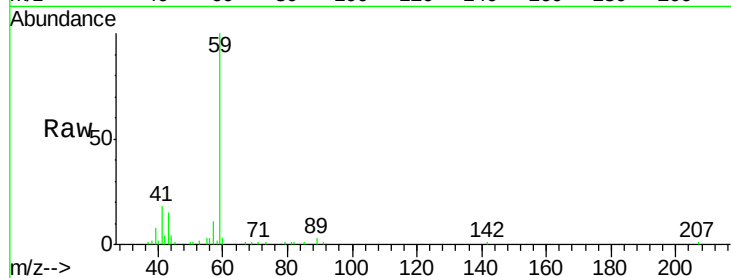
Tert butyl alcohol
 Concen: 194.543 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
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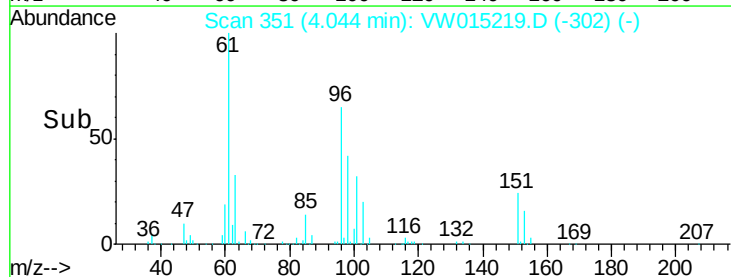
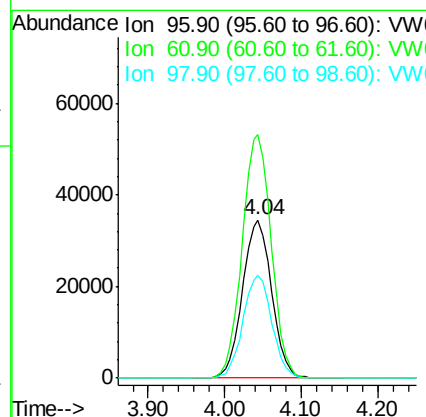
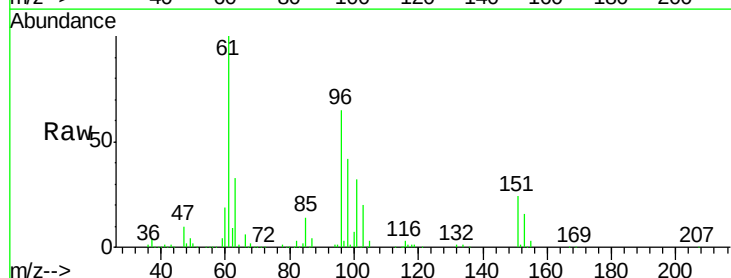
MMDadoda
 4/21/2020 10:01:20 AM

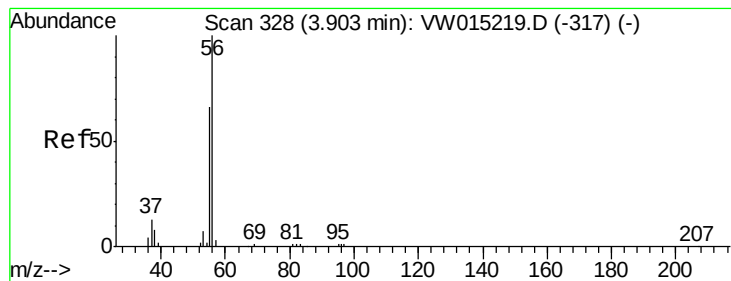


#12

1,1-Dichloroethene
 Concen: 37.607 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.0	127.0	190.4
98	64.8	51.0	76.4





#13

Acrolein

Concen: 105.458 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 17910

Ion Ratio Lower Upper

56 100

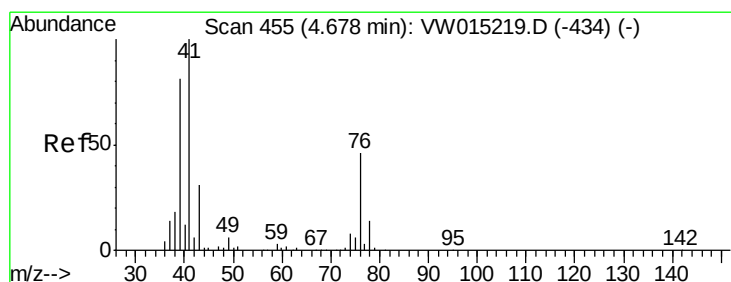
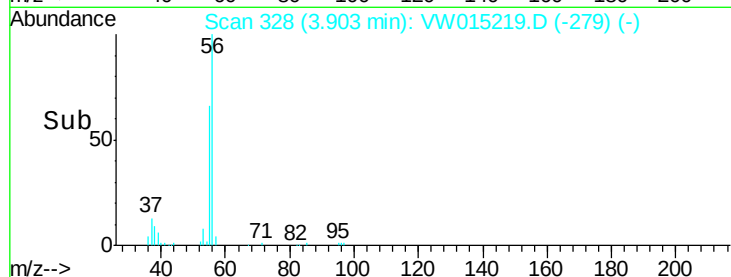
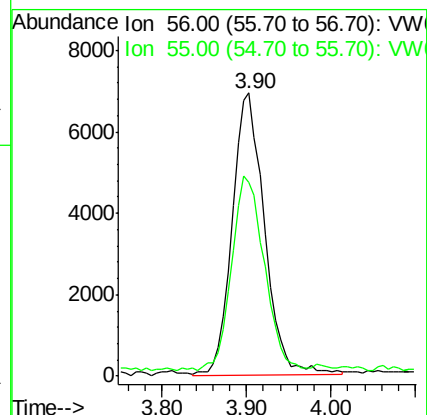
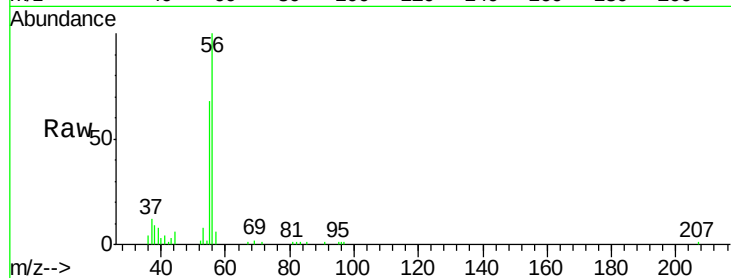
55 69.9 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 34.519 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

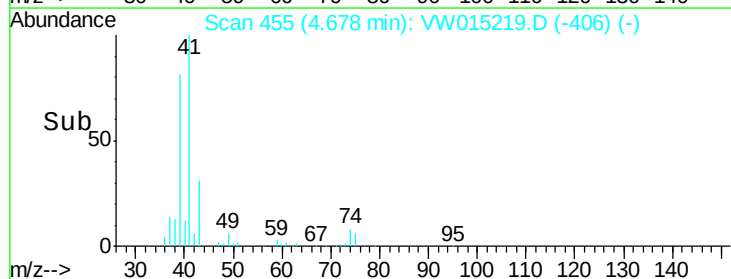
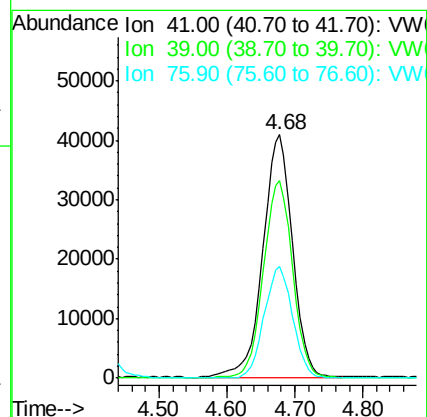
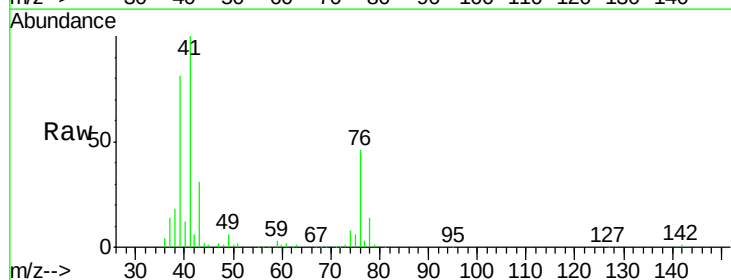
Tgt Ion: 41 Resp: 123848

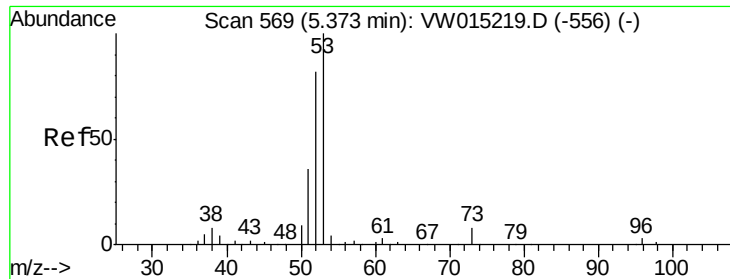
Ion Ratio Lower Upper

41 100

39 79.7 54.0 81.0

76 44.3 31.8 47.6





#15

Acrylonitrile

Concen: 165.851 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

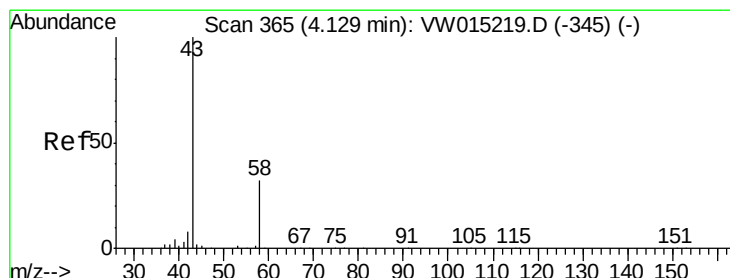
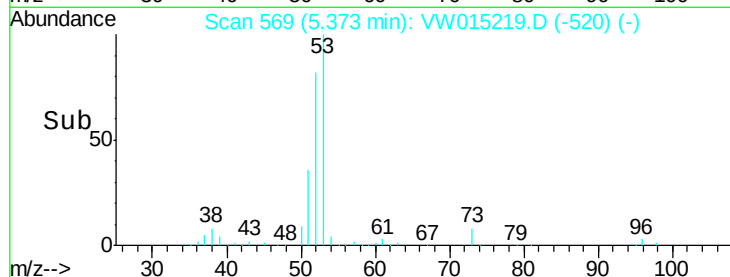
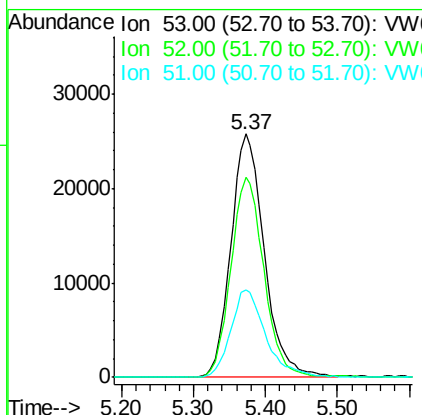
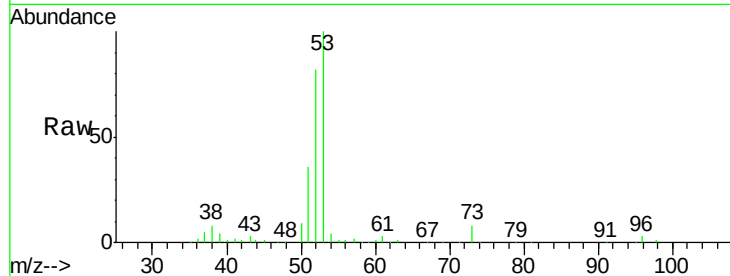
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	83153
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.2	97.8
51	37.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 200.943 ug/l

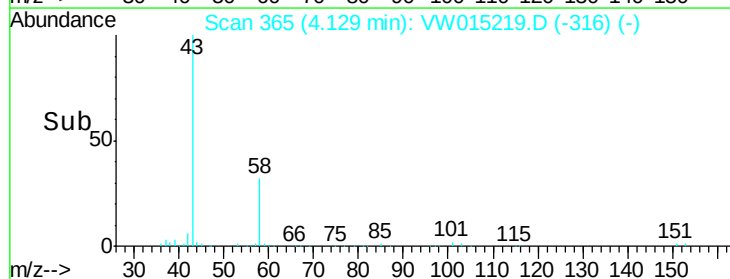
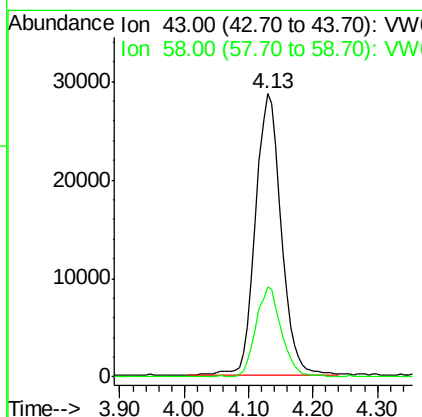
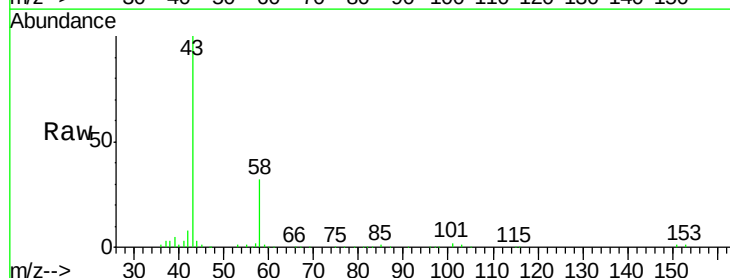
RT: 4.13 min Scan# 365

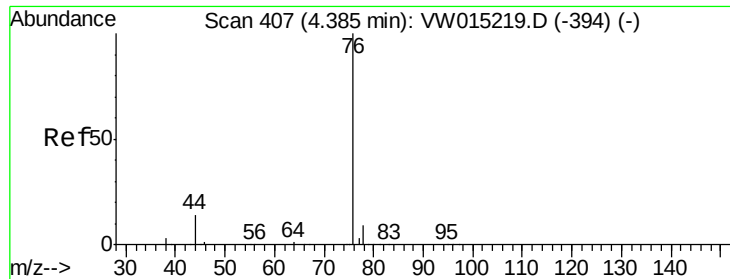
Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Tgt Ion:	43	Resp:	78758
Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.0	40.4





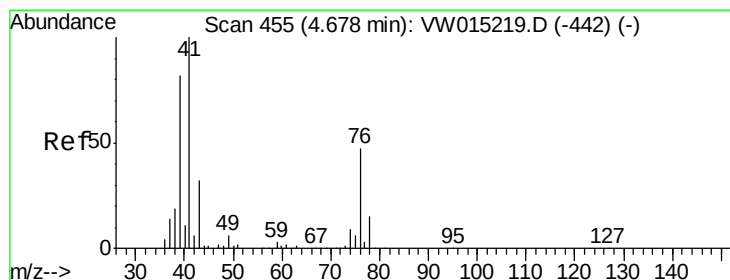
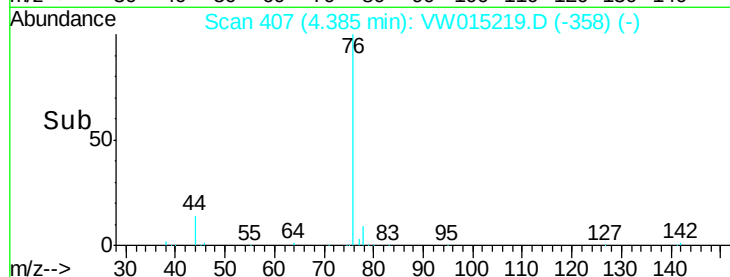
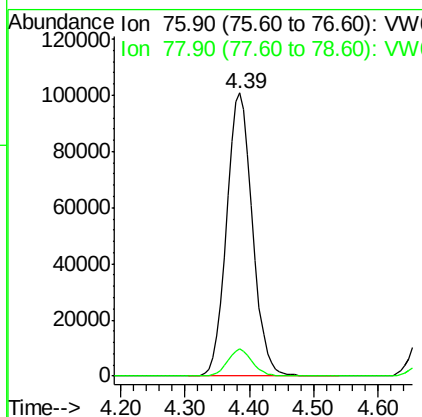
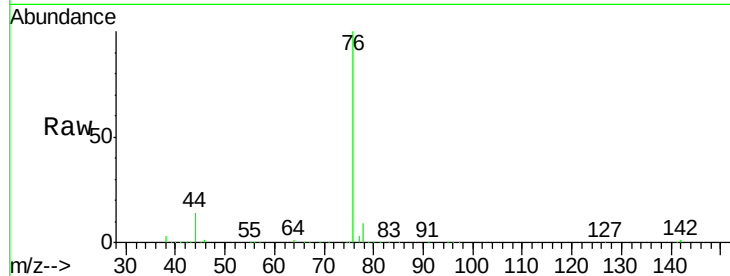
#17
Carbon Disulfide
Concen: 38.459 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

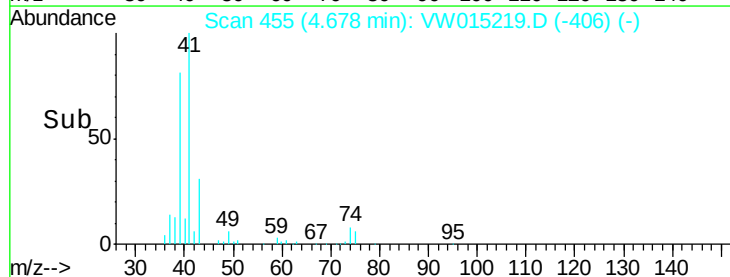
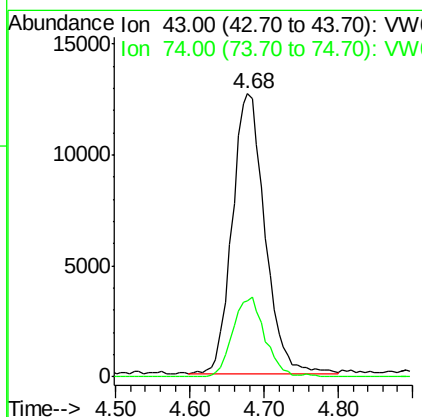
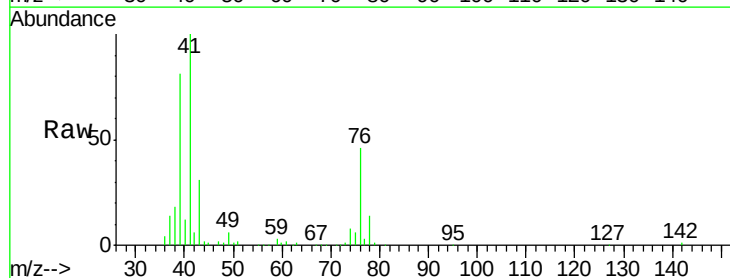
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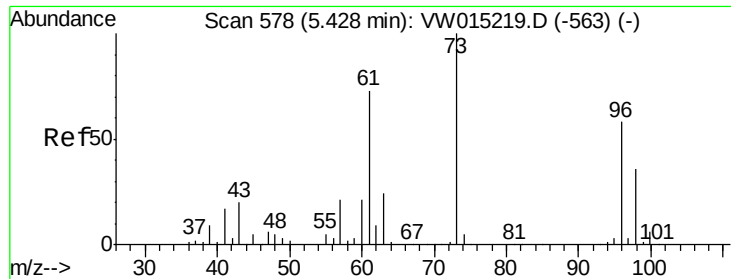
MMDadoda
4/21/2020 10:01:20 AM



#18
Methyl Acetate
Concen: 32.436 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	20.6	31.0





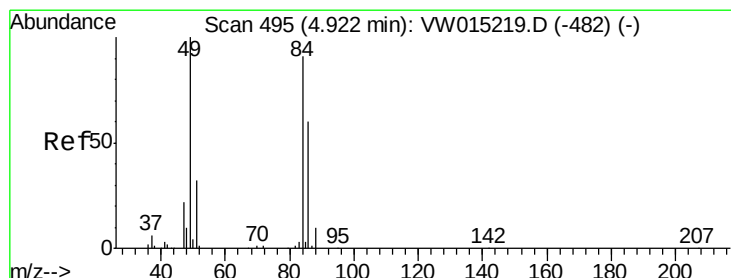
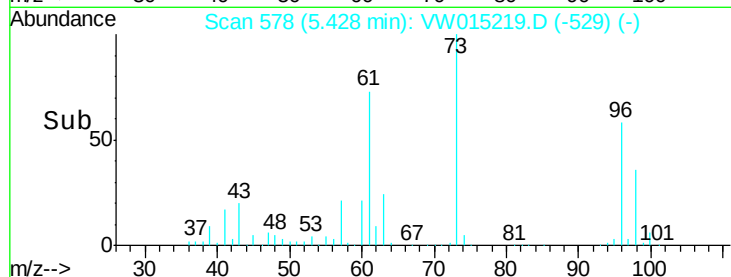
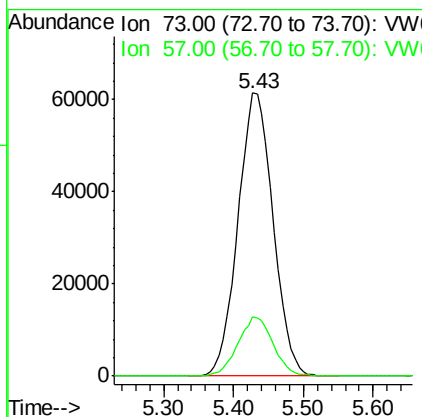
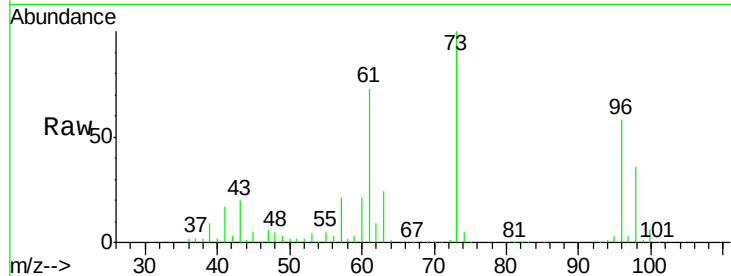
#19
Methyl tert-butyl Ether
Concen: 67.418 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 214142
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.6

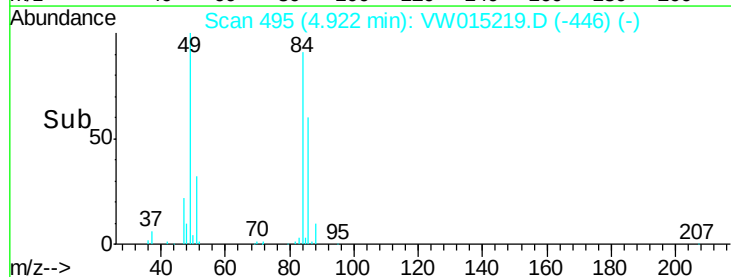
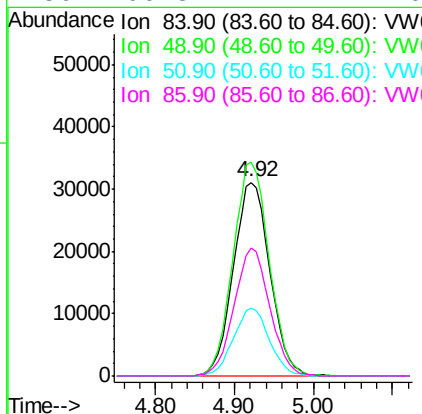
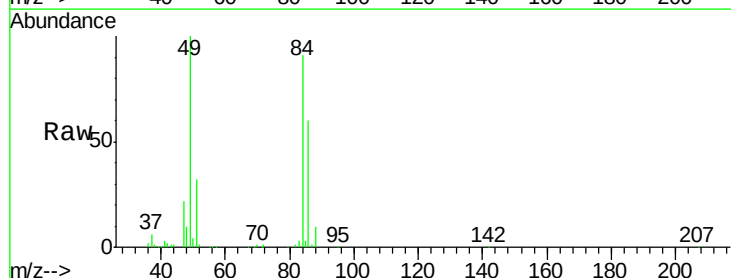
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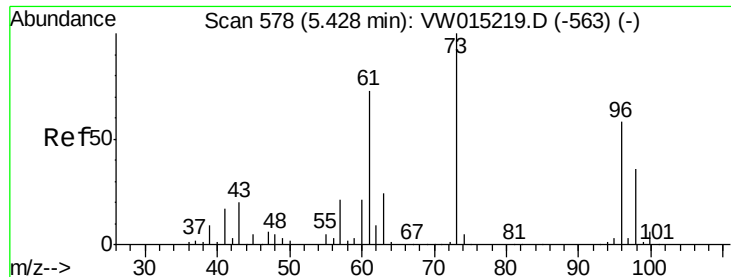
MMDadoda
4/21/2020 10:01:20 AM



#20
Methylene Chloride
Concen: 36.964 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion: 84 Resp: 100331
Ion Ratio Lower Upper
84 100
49 110.2 95.4 143.0
51 34.7 29.8 44.8
86 66.3 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 41.296 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 105675

Ion Ratio Lower Upper

96 100

61 127.1 107.8 161.6

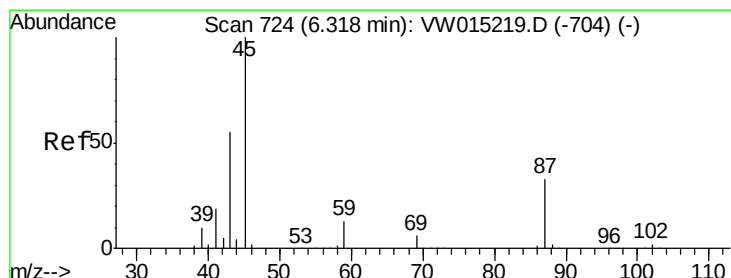
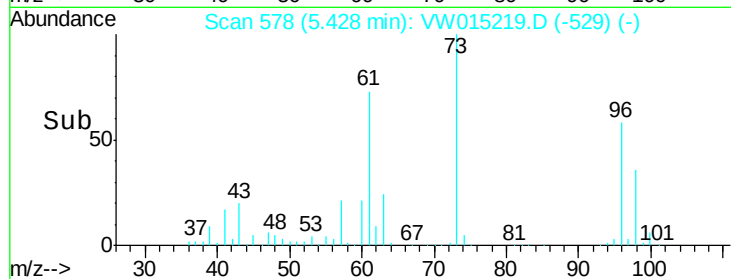
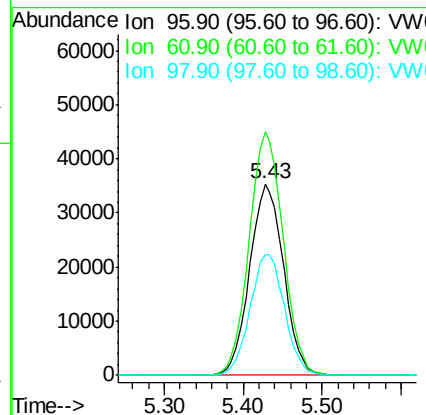
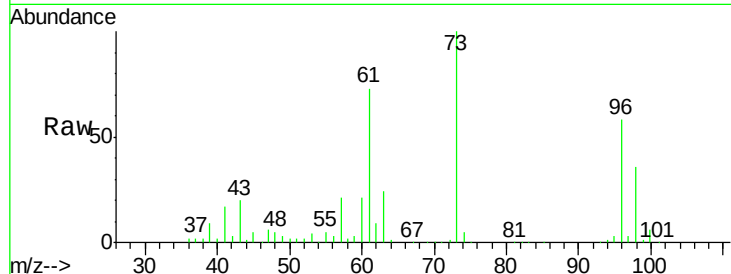
98 62.9 50.2 75.2

Manual Integrations

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MMDadoda

4/21/2020 10:01:20 AM



#22

Diisopropyl ether

Concen: 33.113 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Tgt Ion: 45 Resp: 239602

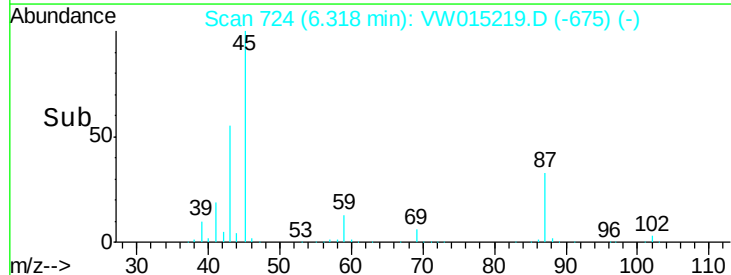
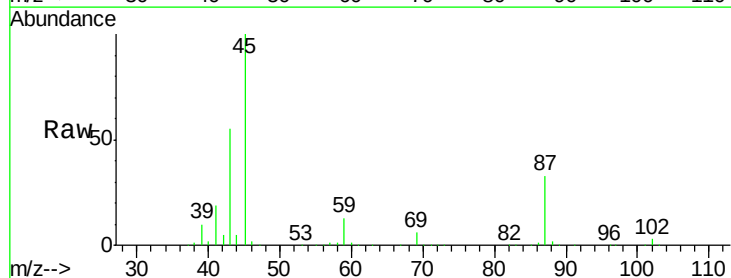
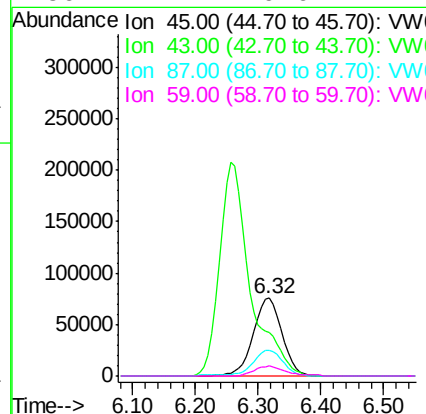
Ion Ratio Lower Upper

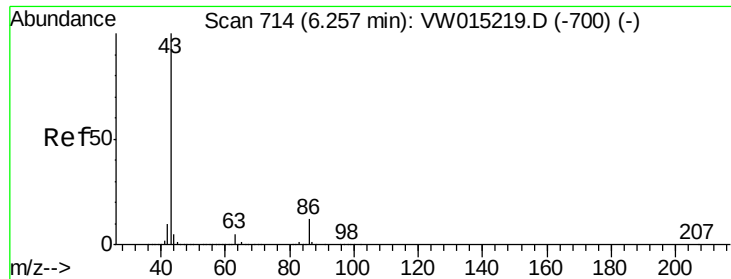
45 100

43 54.9 41.8 62.6

87 33.2 23.2 34.8

59 12.7 9.6 14.4





#23

Vinyl Acetate

Concen: 166.673 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 700401

Ion Ratio Lower Upper

43 100

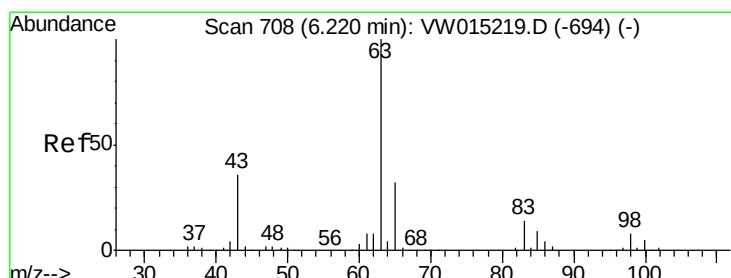
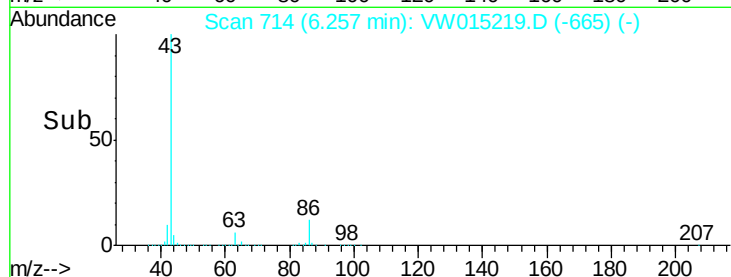
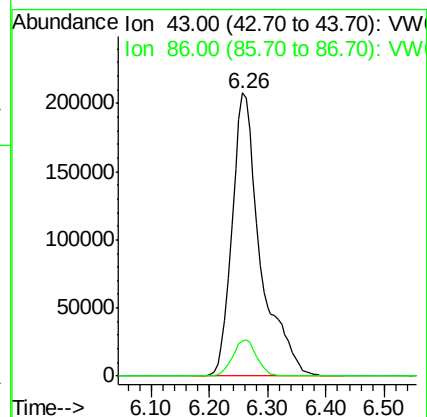
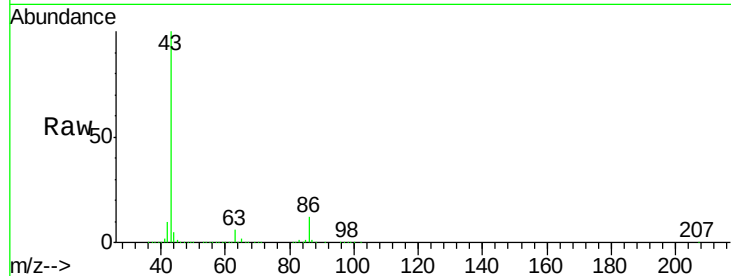
86 12.5 9.1 13.7

Manual Integrations

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MMDadoda

4/21/2020 10:01:20 AM



#24

1,1-Dichloroethane

Concen: 38.394 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

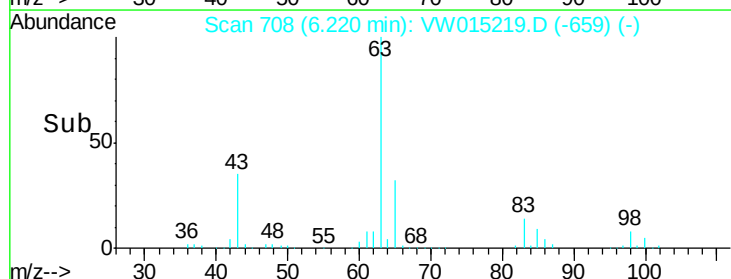
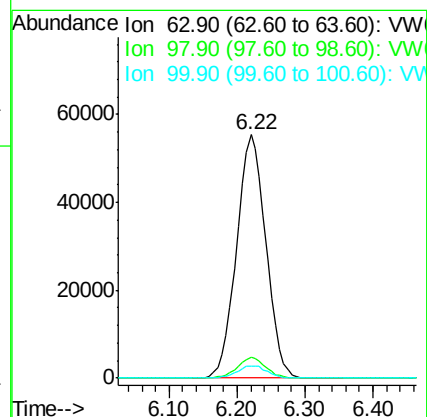
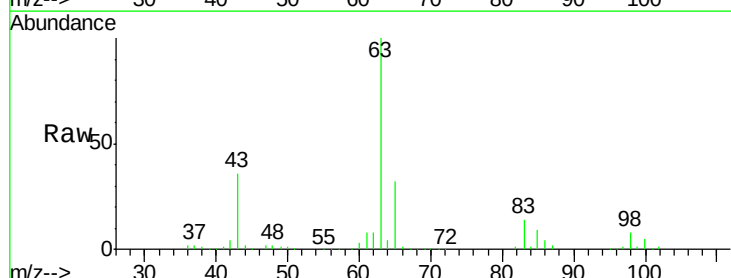
Tgt Ion: 63 Resp: 165172

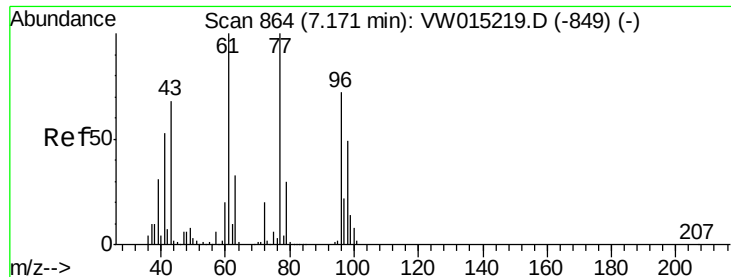
Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 4.9 2.4 7.2





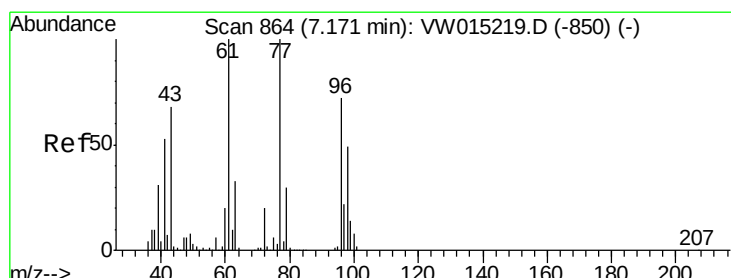
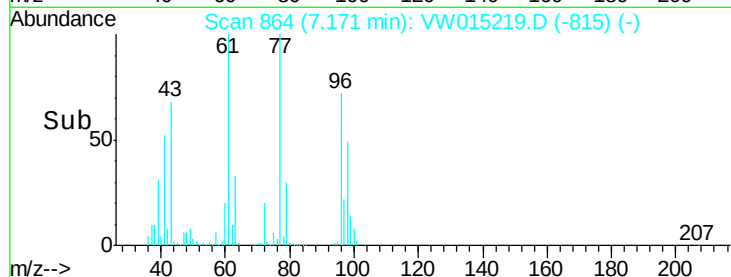
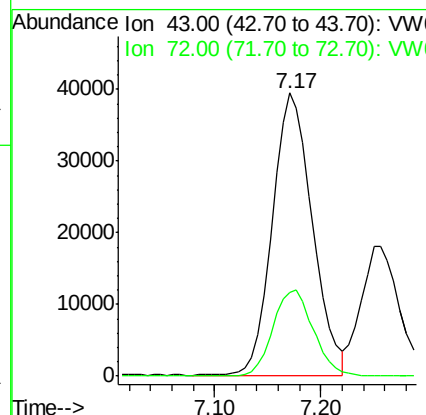
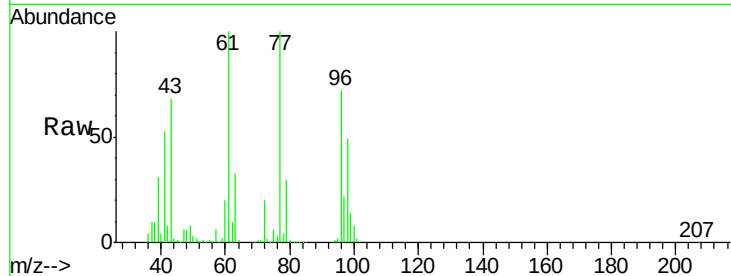
#25
2-Butanone
Concen: 163.128 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	43	Resp	102315
Ion Ratio	100	Lower	Upper
72	29.8	21.6	32.4

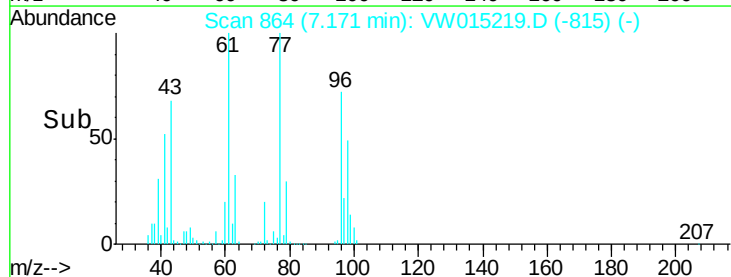
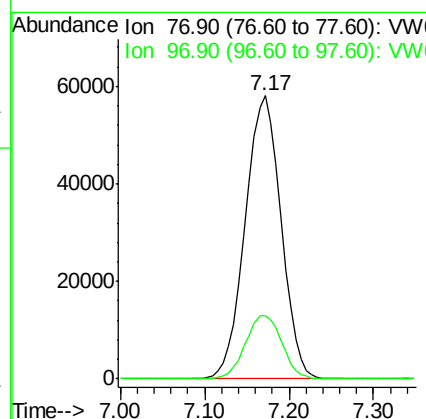
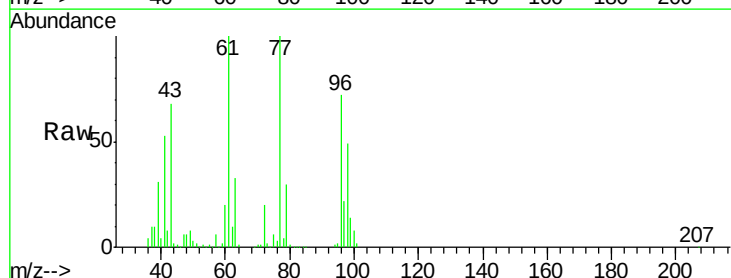
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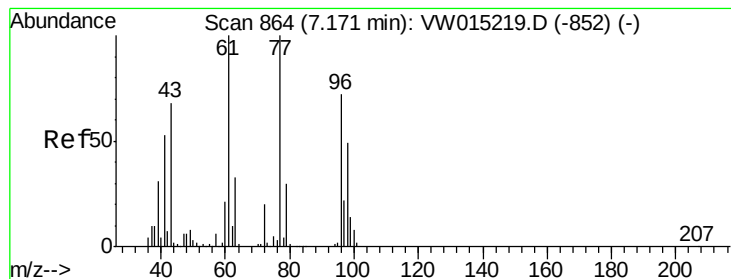
MMDadoda
4/21/2020 10:01:20 AM



#26
2,2-Dichloropropane
Concen: 58.539 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	77	Resp	167605
Ion Ratio	100	Lower	Upper
97	22.8	11.9	35.5





#27

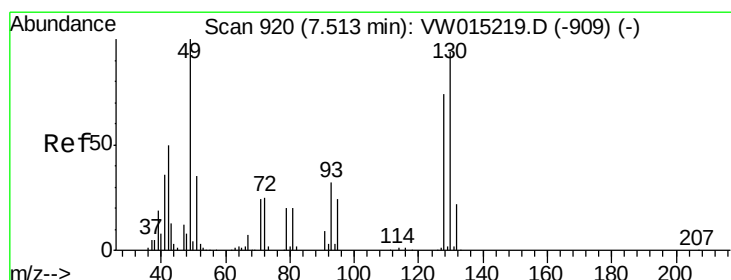
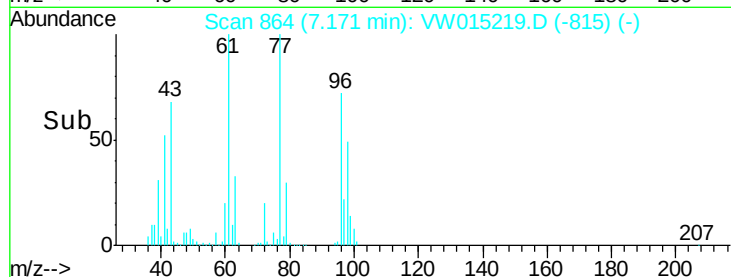
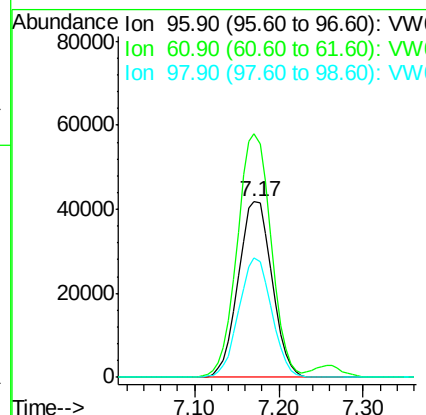
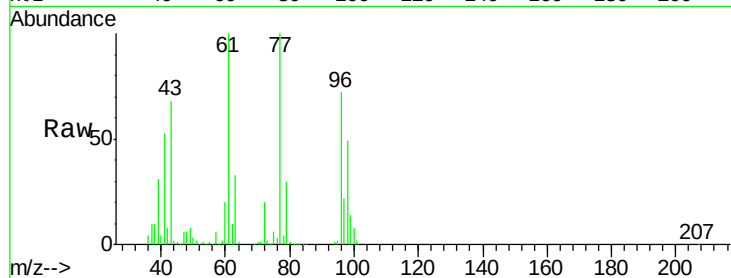
cis-1,2-Dichloroethene
Concen: 41.198 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.4	0.0	275.0	
98	65.9	0.0	130.8	

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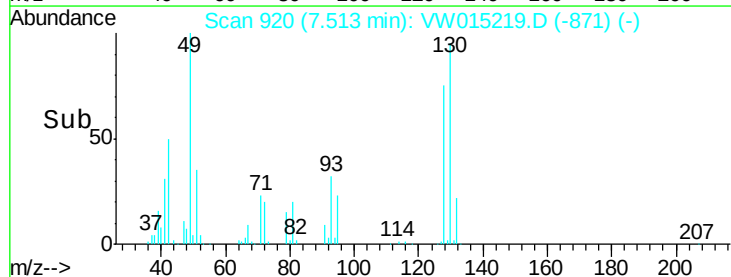
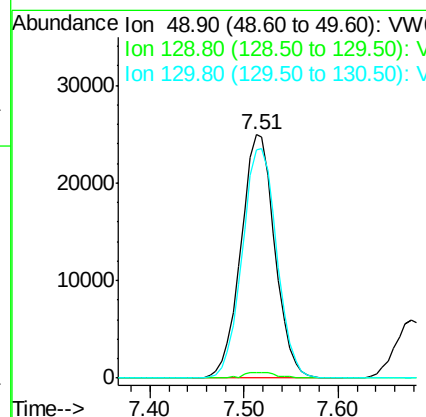
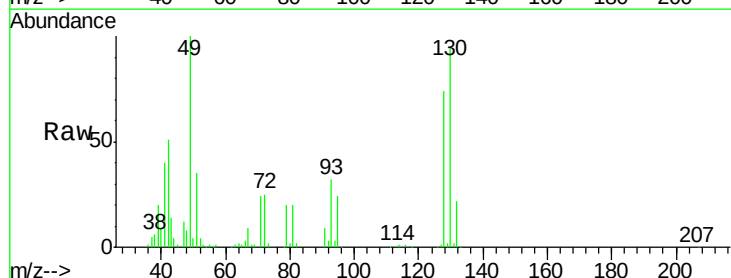
MMDadoda
4/21/2020 10:01:20 AM

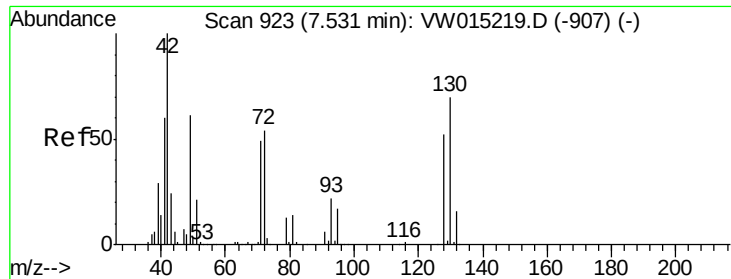


#28

Bromochloromethane
Concen: 34.881 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	96.1	60.9	91.3	





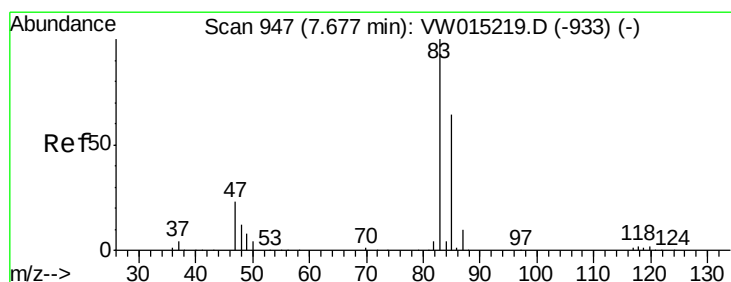
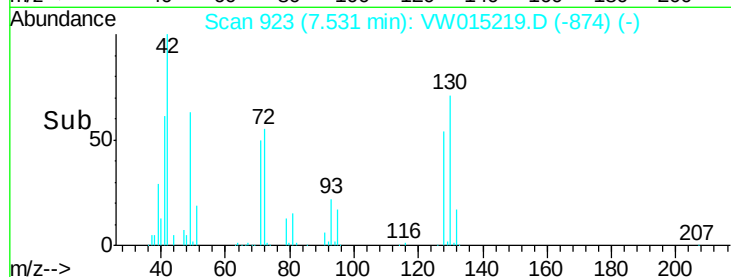
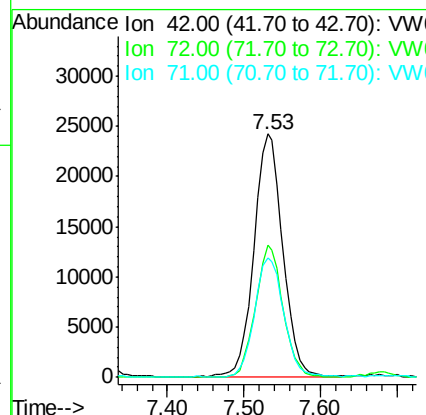
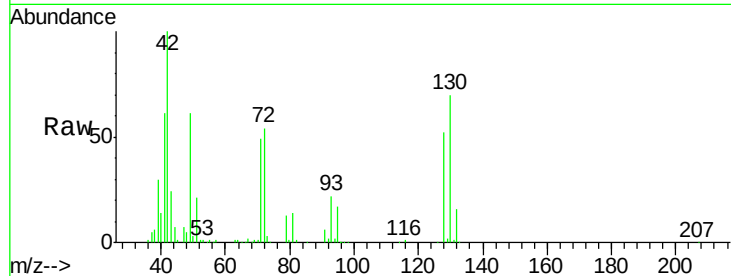
#29
Tetrahydrofuran
Concen: 155.830 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	36.2	54.2
71	48.9	34.2	51.4

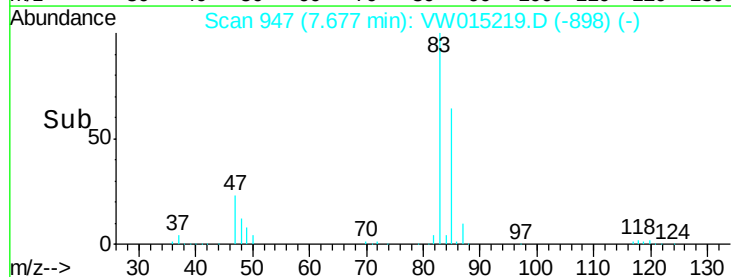
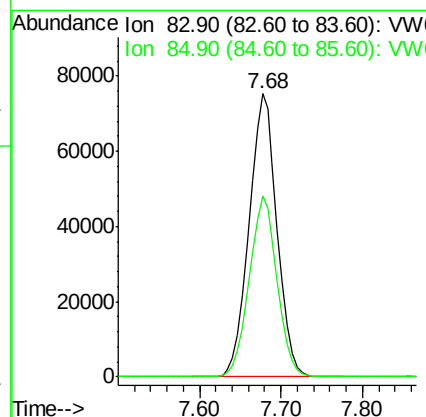
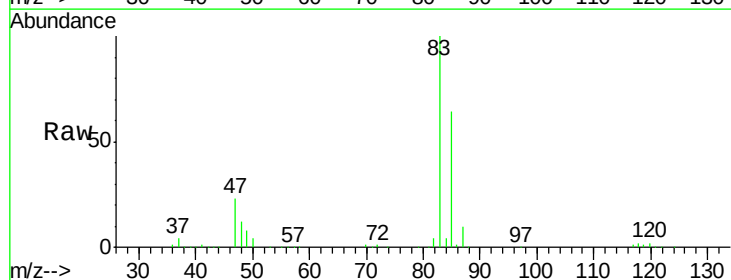
Manual Integrations
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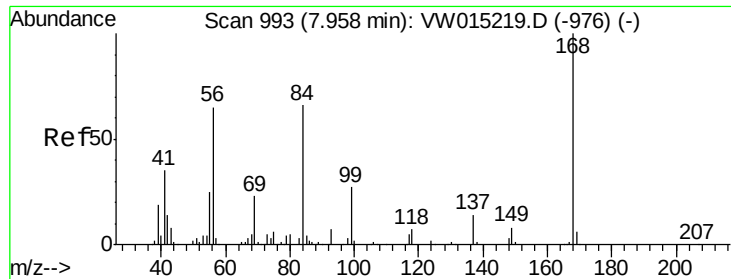
MMDadoda
4/21/2020 10:01:20 AM



#30
Chloroform
Concen: 42.329 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





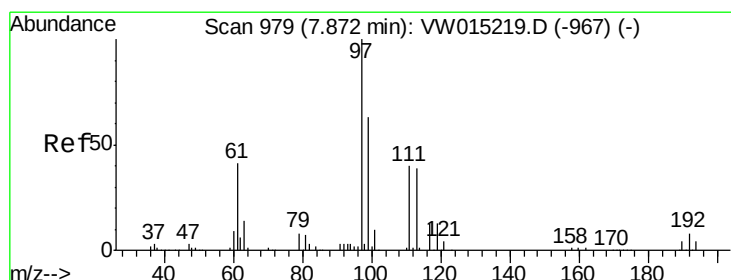
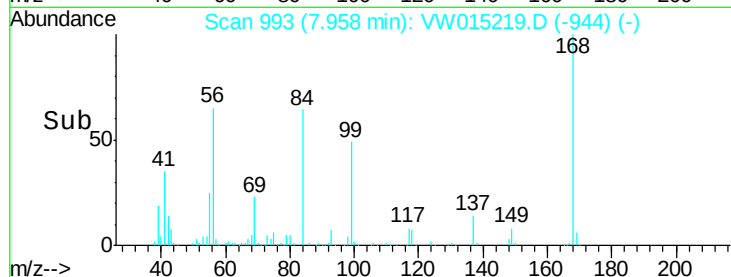
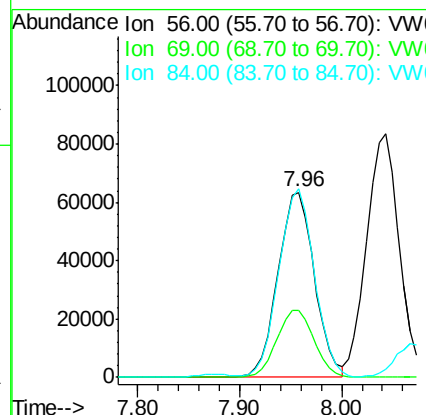
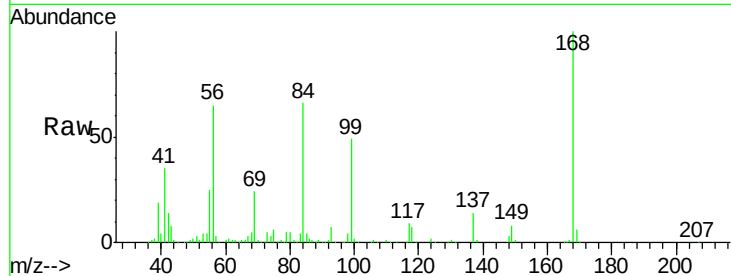
#31
Cyclohexane
Concen: 34.203 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	27.1	40.7
84	100.8	71.9	107.9

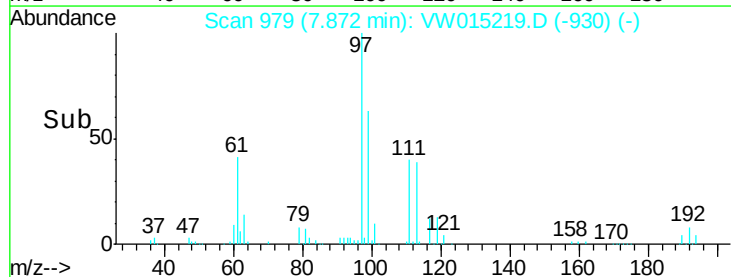
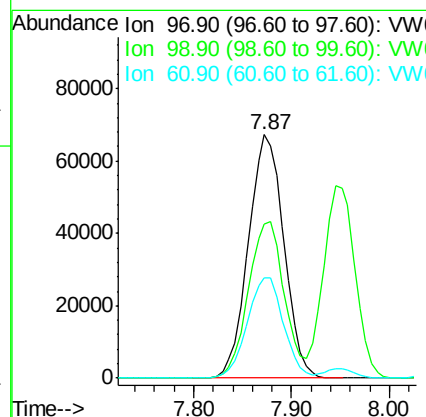
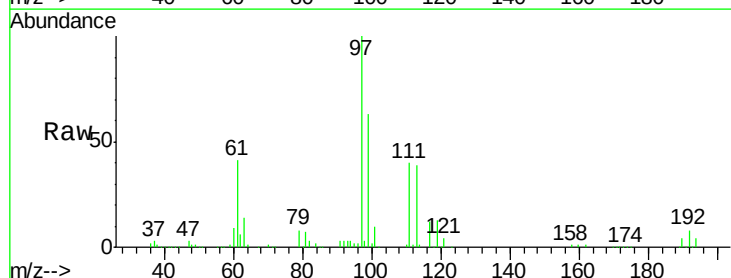
Manual Integrations
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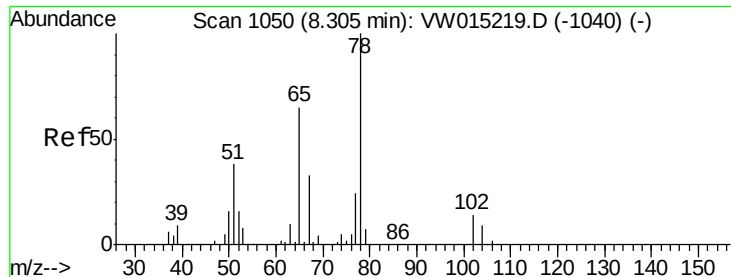
MMDadoda
4/21/2020 10:01:20 AM



#32
1,1,1-Trichloroethane
Concen: 47.657 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.2
61	42.0	34.2	51.2





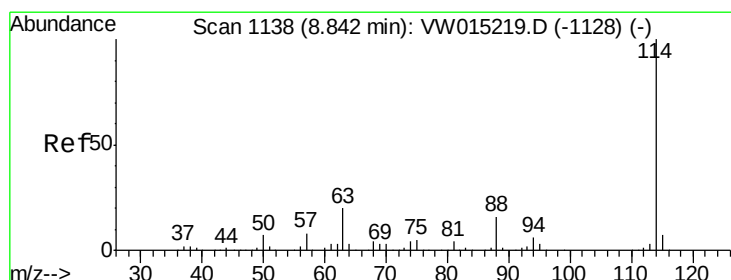
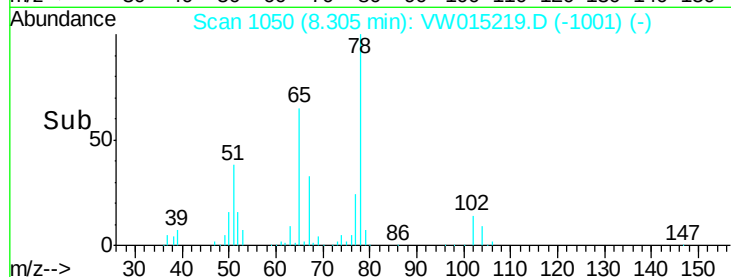
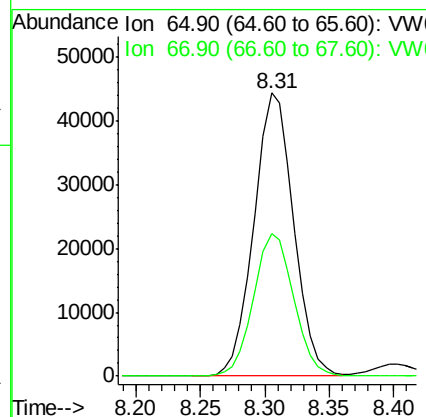
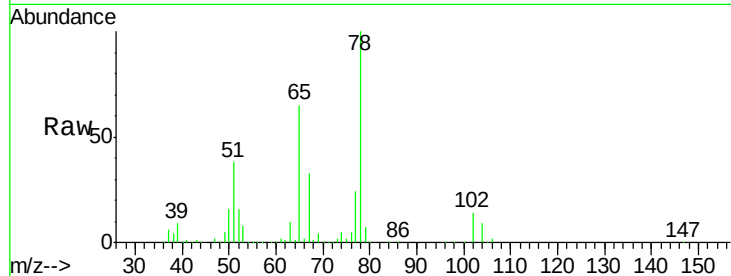
#33
 1,2-Dichloroethane-d4
 Concen: 42.965 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	107.0

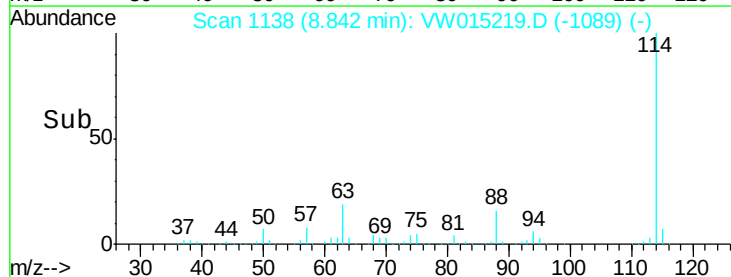
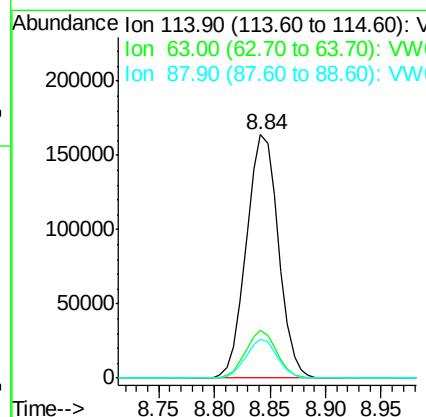
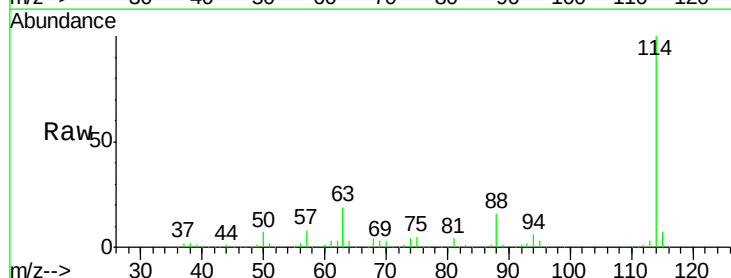
Manual Integrations
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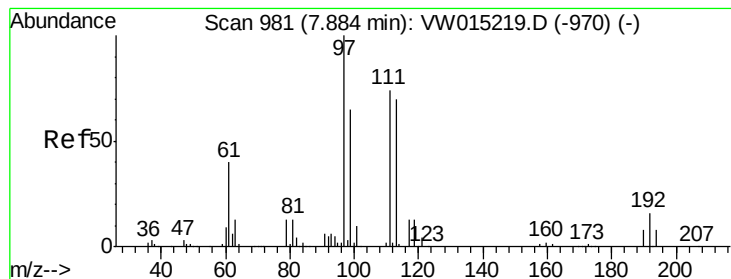
MMDadoda
 4/21/2020 10:01:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.8
88	15.9	0.0	30.2





#35

Dibromofluoromethane

Concen: 51.029 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

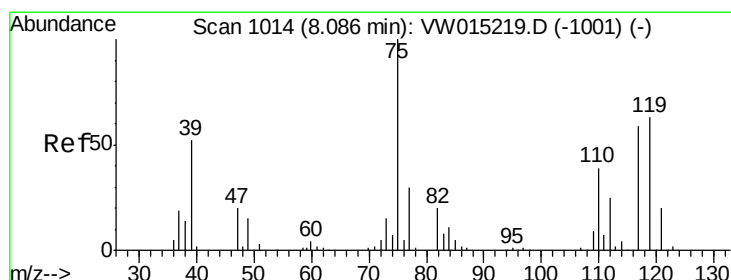
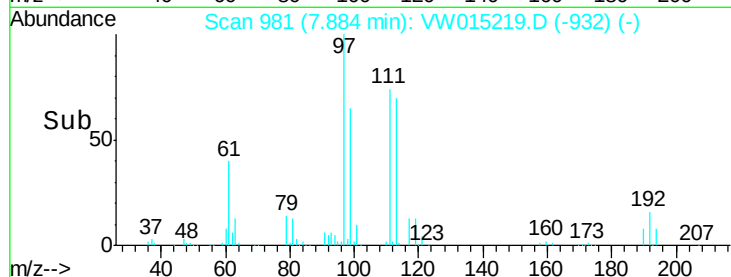
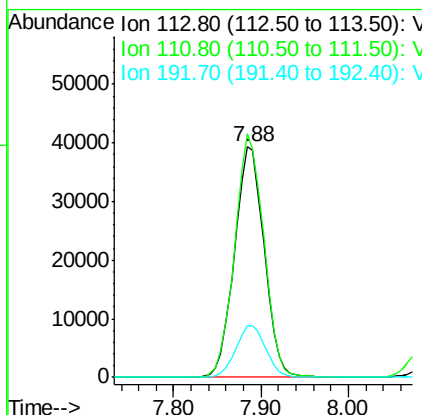
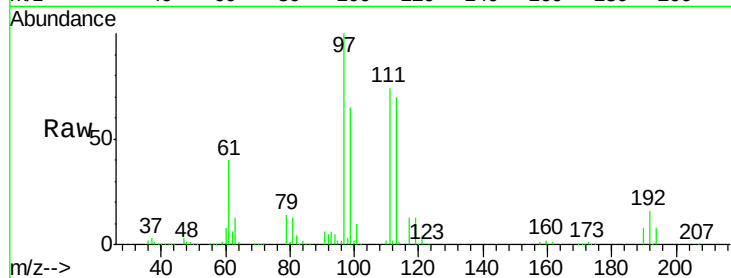
ClientSampled :

VSTDICCC050

Tot Ion:	113	Resp:	92860
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.4
192	22.5	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.814 ug/l

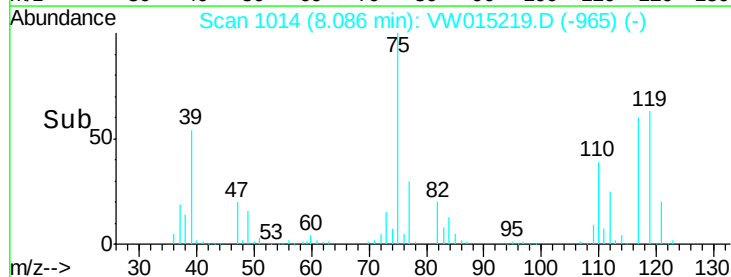
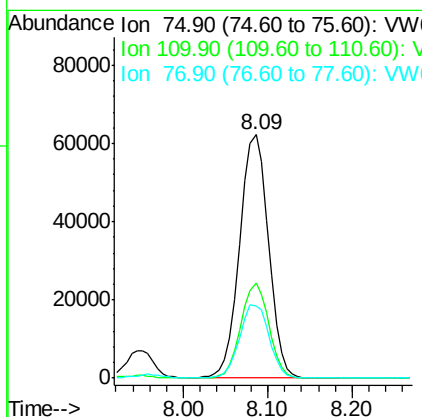
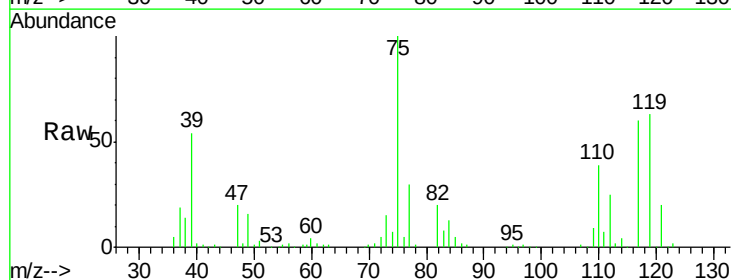
RT: 8.09 min Scan# 1014

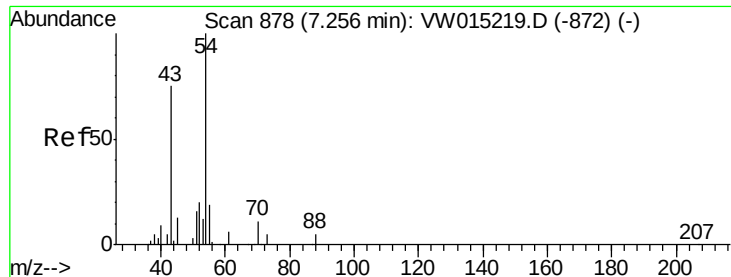
Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Tgt Ion:	75	Resp:	143500
Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.2	54.6
77	31.0	24.5	36.7





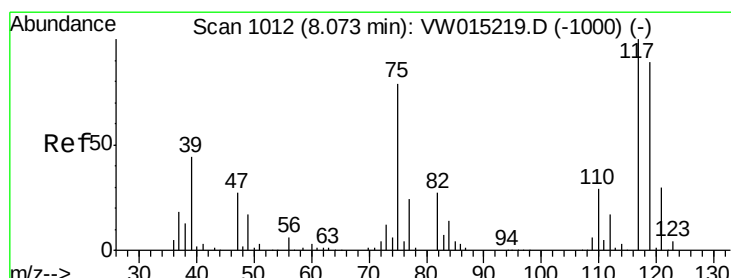
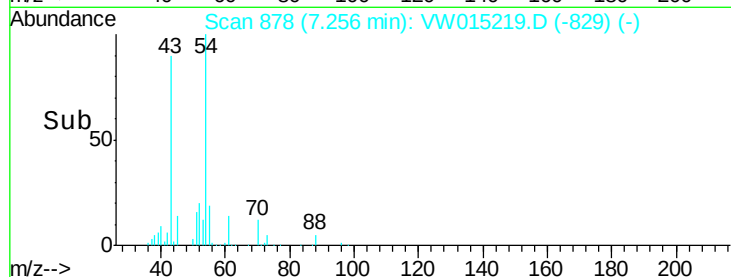
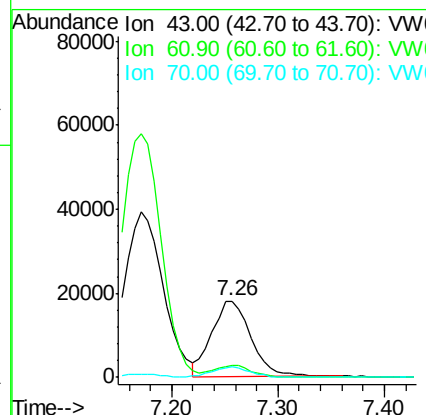
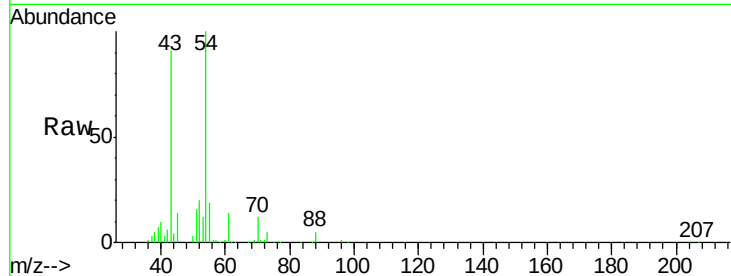
#37
Ethyl Acetate
Concen: 37.250 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	13.8	8.8	13.2

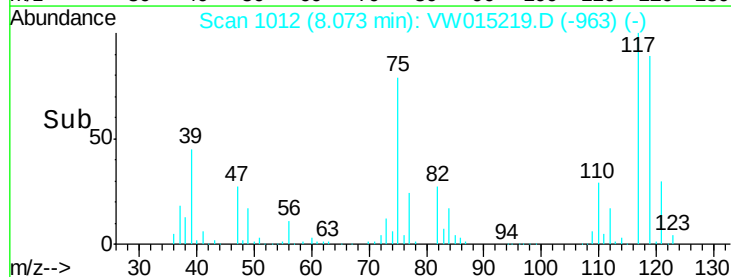
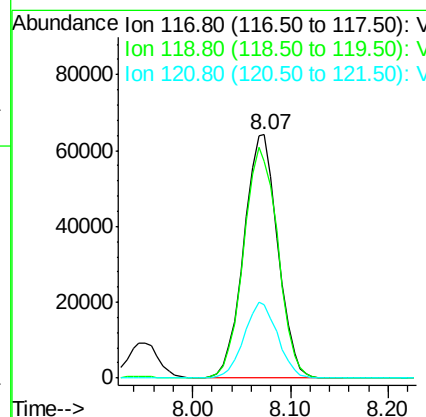
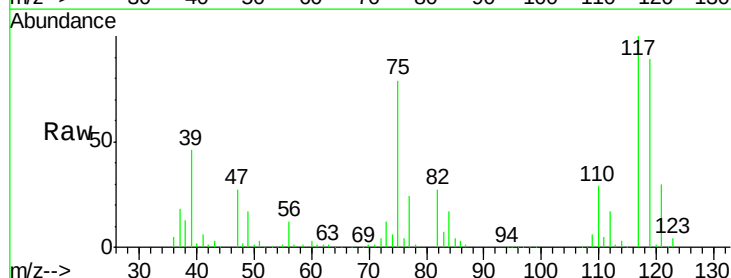
Manual Integrations
APPROVED

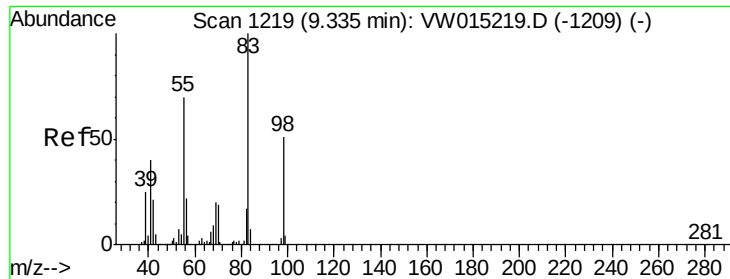
MMDadoda
4/21/2020 10:01:20 AM



#38
Carbon Tetrachloride
Concen: 57.125 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	72.3	108.5
121	30.2	23.7	35.5





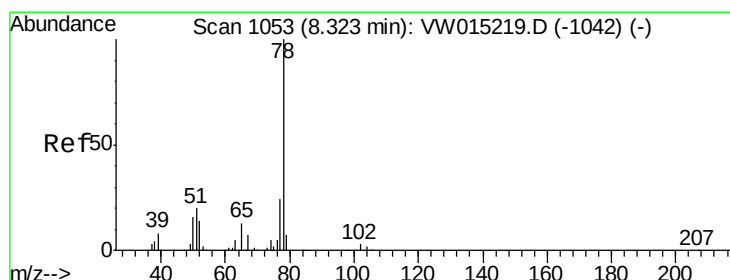
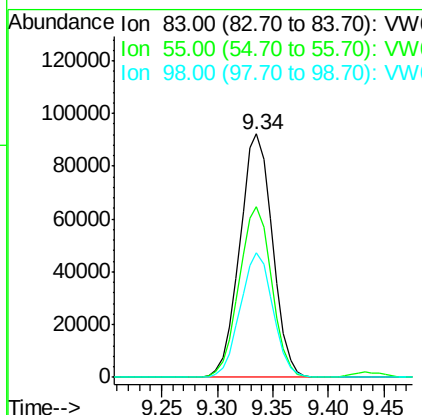
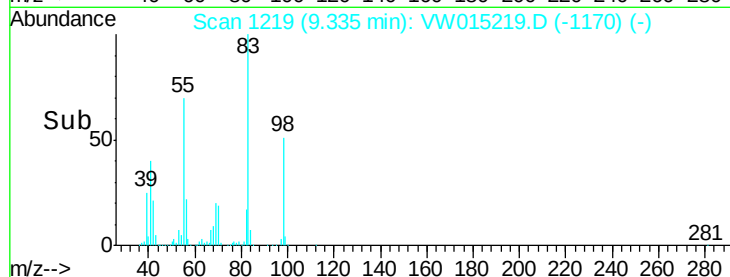
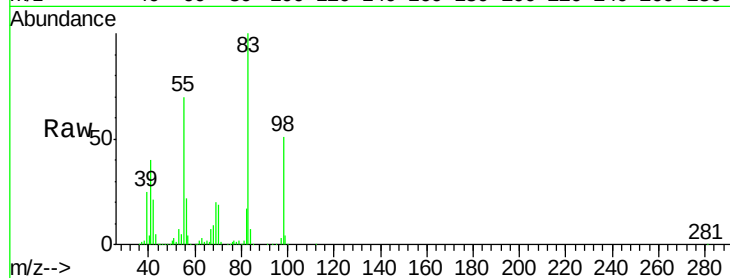
#39
Methylvlcyclohexane
Concen: 47.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188453		
55	70.1		58.1	87.1
98	51.1		40.2	60.4

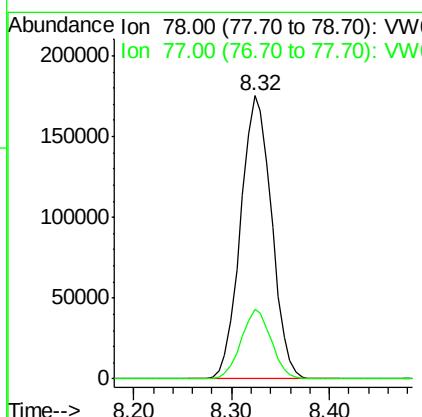
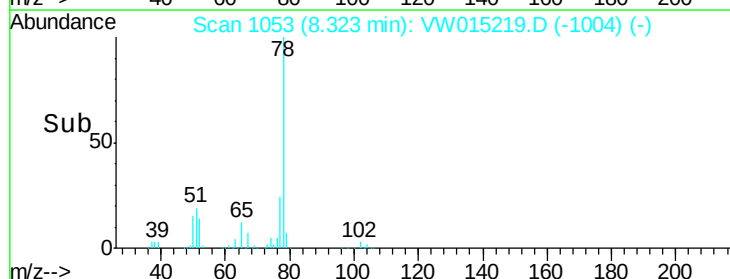
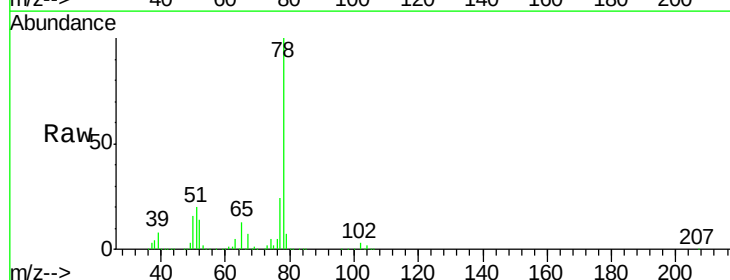
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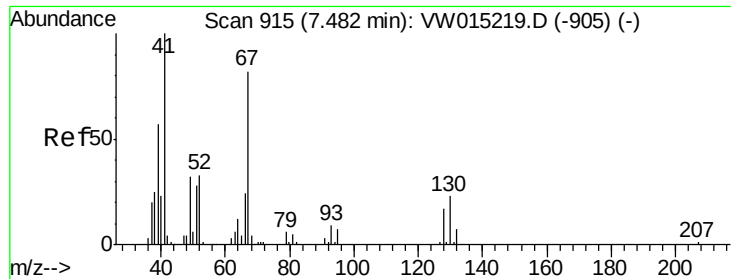
MMDadoda
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#40
Benzene
Concen: 46.226 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	385871		
77	24.5		18.2	27.2





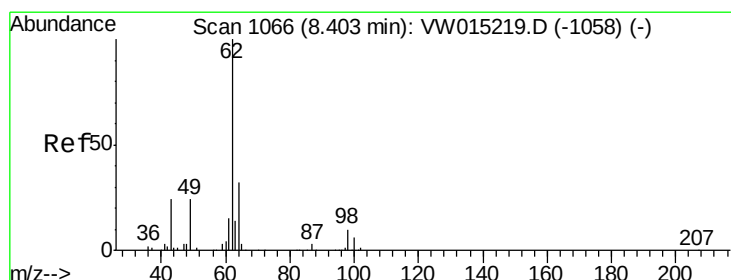
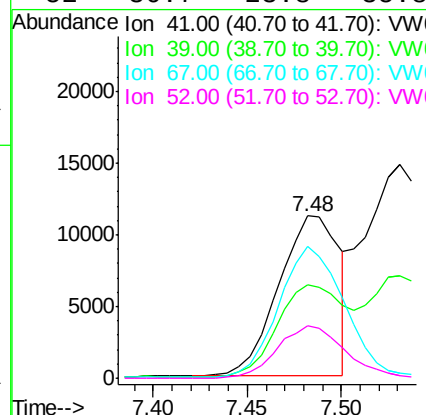
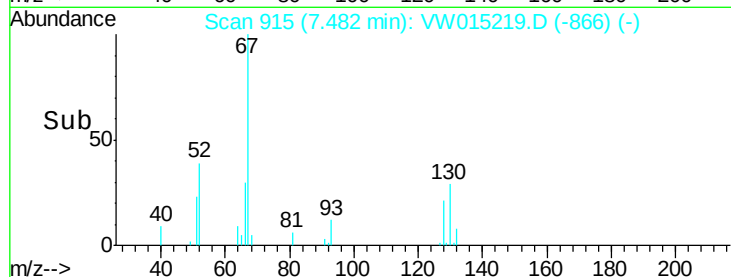
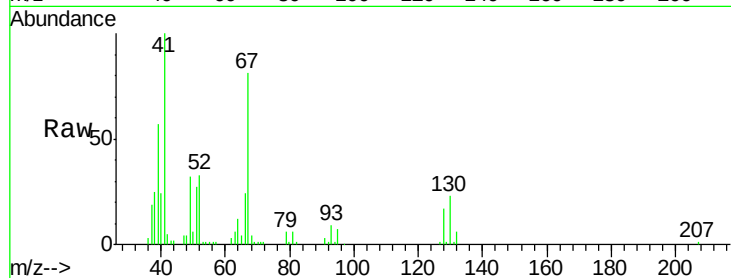
#41
Methacrylonitrile
Concen: 34.564 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	41.9	62.9#
67	88.6	60.6	91.0
52	36.7	23.8	35.8#

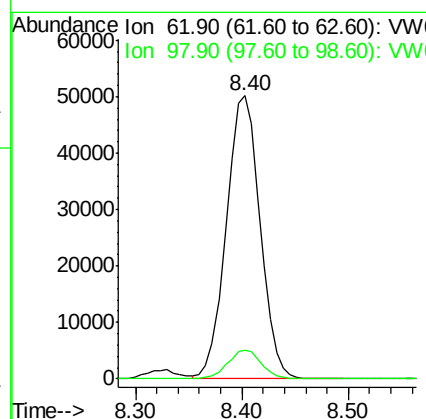
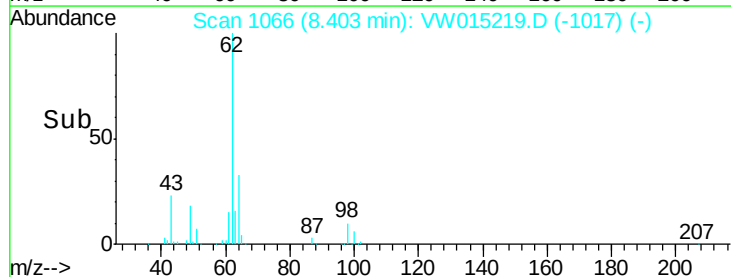
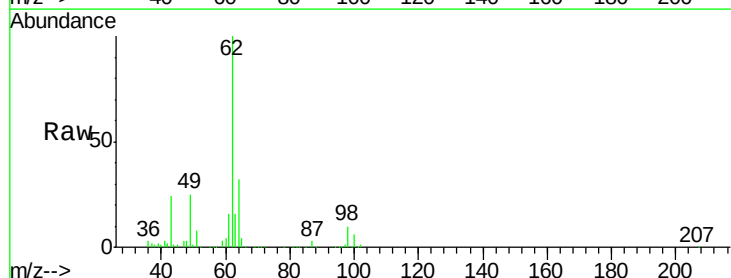
Manual Integrations
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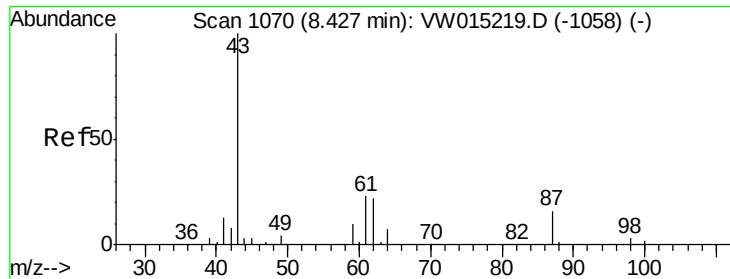
MMDadoda
4/21/2020 10:01:20 AM



#42
1,2-Dichloroethane
Concen: 52.450 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





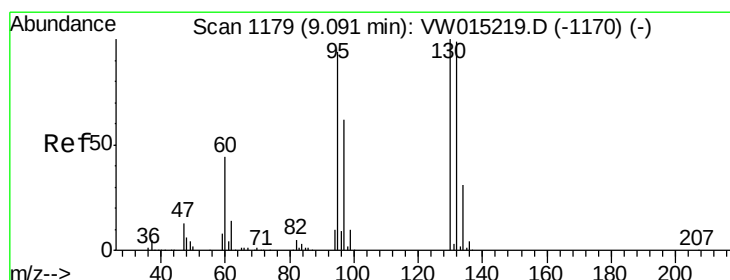
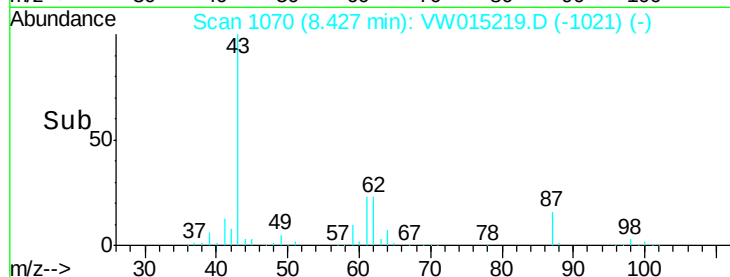
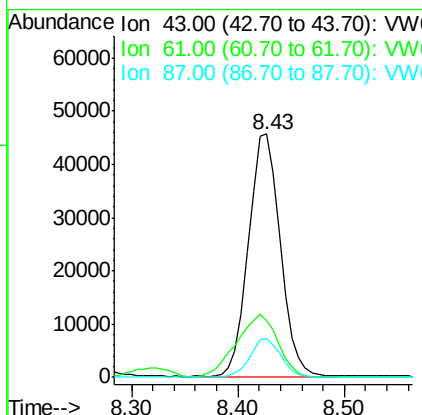
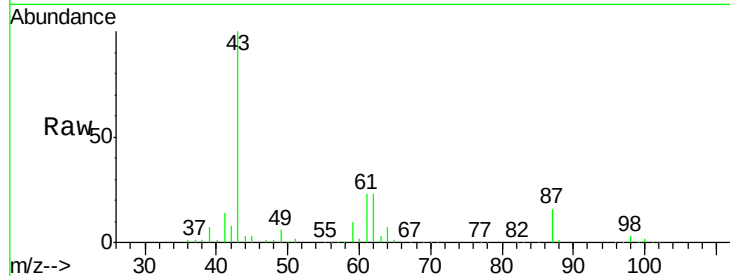
#43
Isopropyl Acetate
Concen: 40.153 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	24.8	37.2
87	15.6	11.4	17.2

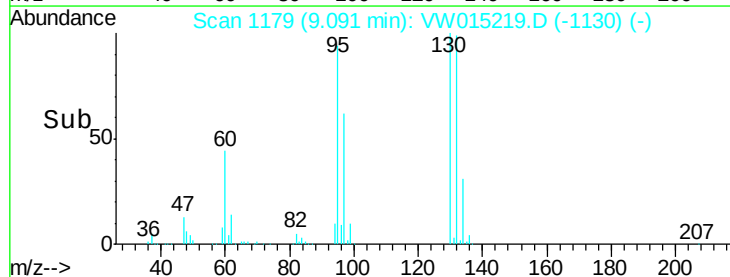
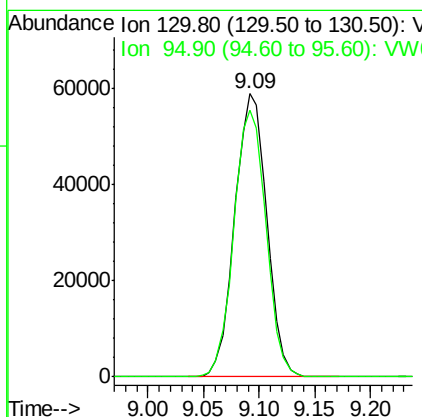
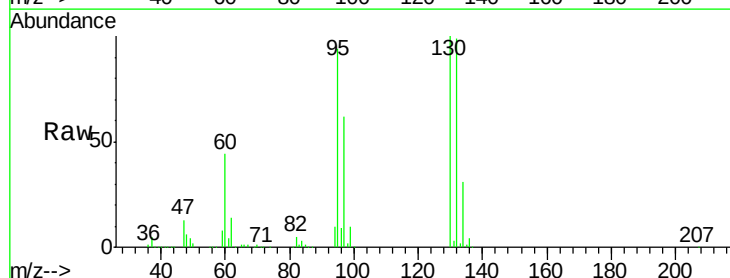
Manual Integrations
APPROVED

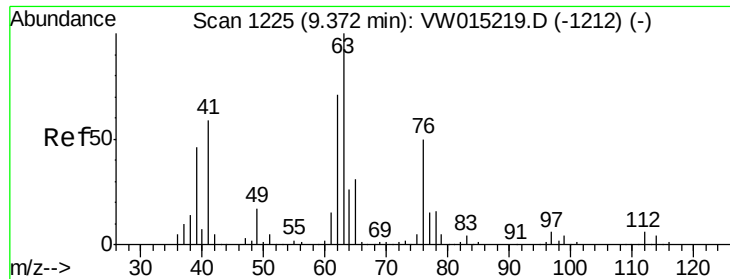
MMDadoda
4/21/2020 10:01:20 AM



#44
Trichloroethene
Concen: 53.464 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	196.4





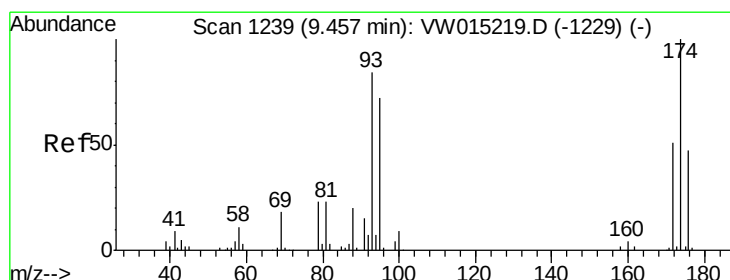
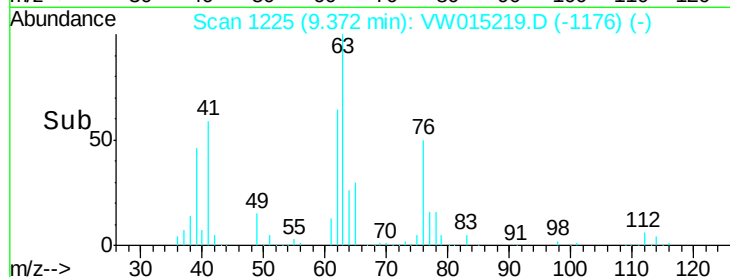
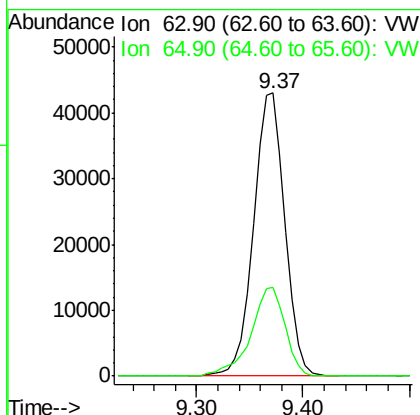
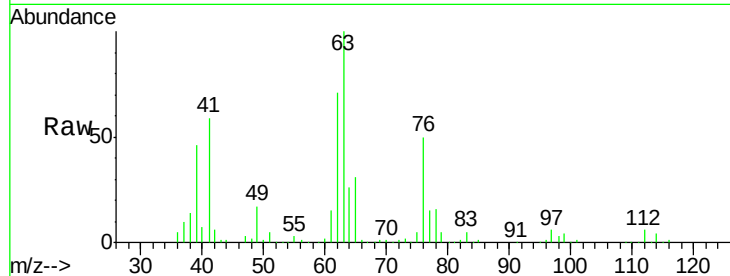
#45
 1,2-Dichloropropane
 Concen: 43.135 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.5	38.3

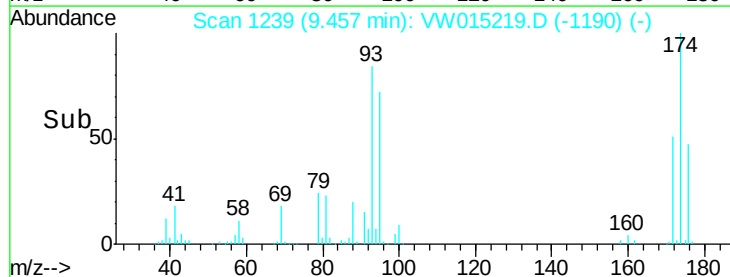
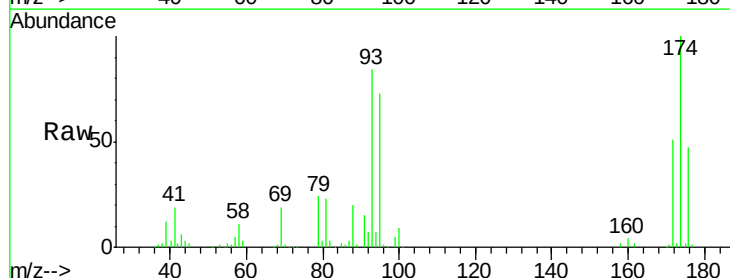
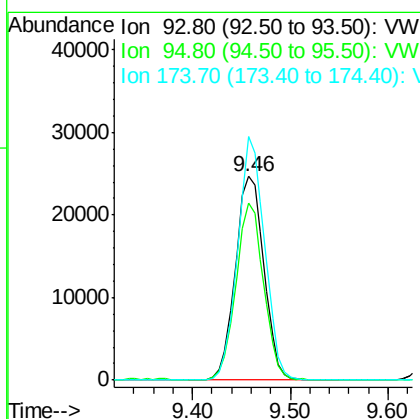
Manual Integrations
 APPROVED

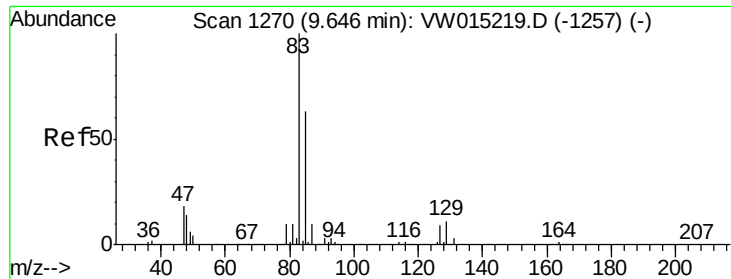
MMDadoda
 4/21/2020 10:01:20 AM



#46
 Dibromomethane
 Concen: 48.904 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.5	101.3
174	111.8	74.1	111.1#





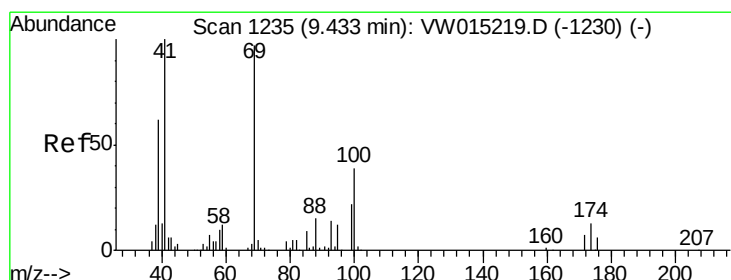
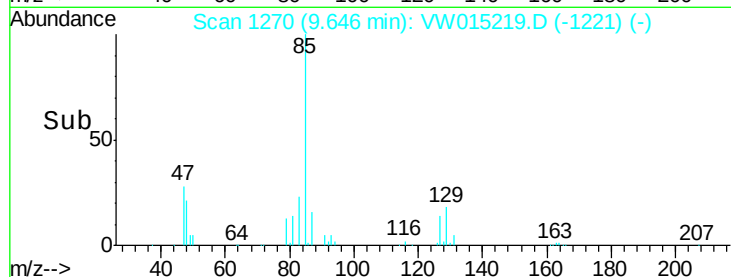
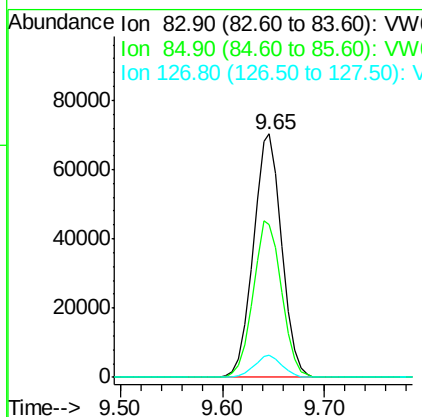
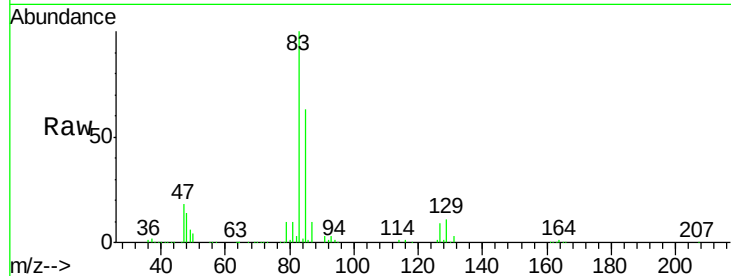
#47
Bromodichloromethane
Concen: 51.104 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	135998
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.6	76.0
127	8.9	6.7	10.1

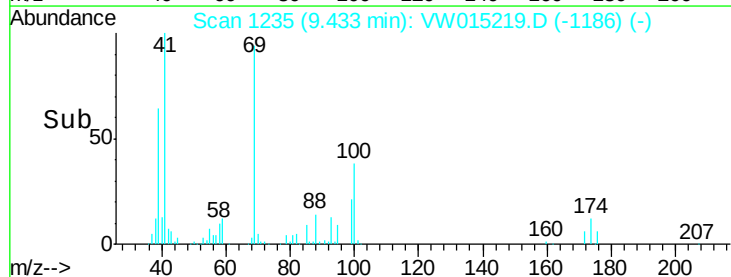
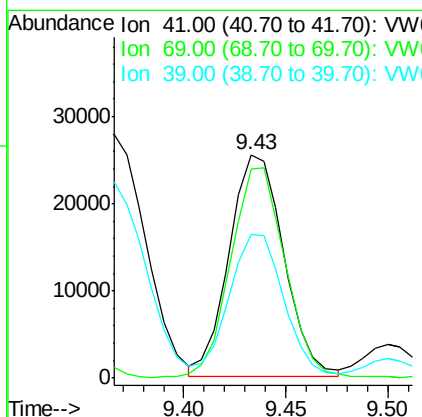
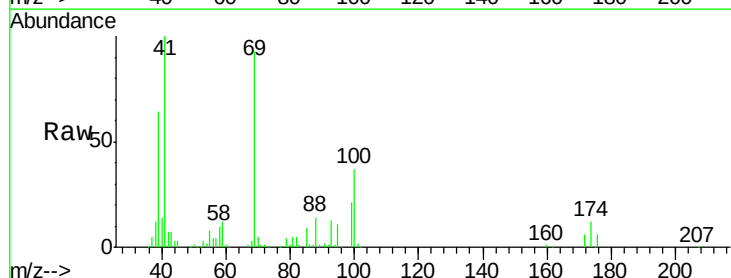
Manual Integrations
APPROVED

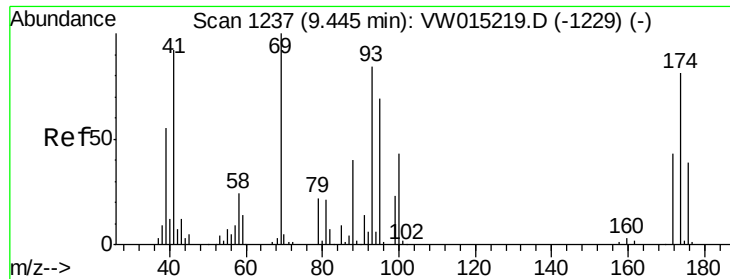
MMDadoda
4/21/2020 10:01:20 AM



#48
Methyl methacrylate
Concen: 42.437 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	41	Resp	47459
Ion Ratio	100	Lower	Upper
41	100		
69	94.1	70.6	105.8
39	61.1	42.6	64.0





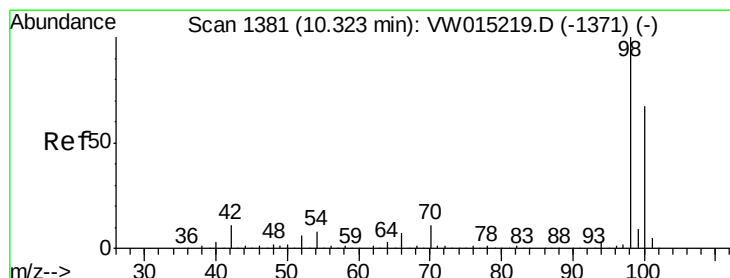
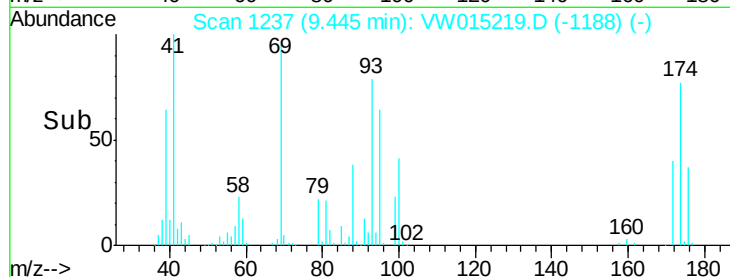
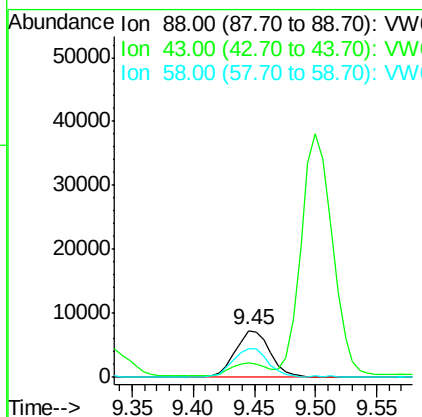
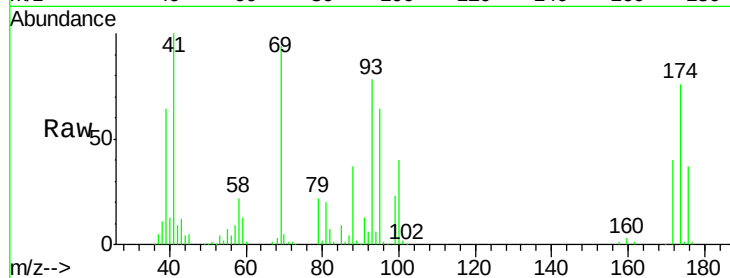
#49
1,4-Dioxane
Concen: 883.579 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.5	35.3
58	63.9	55.4	83.2

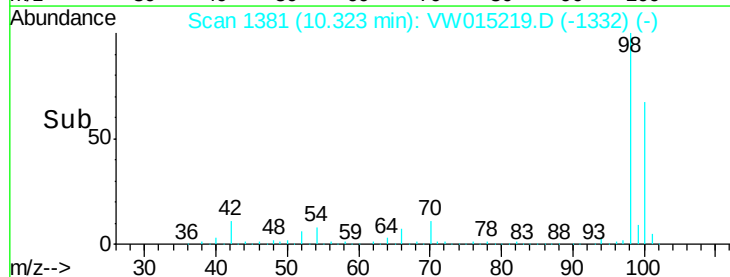
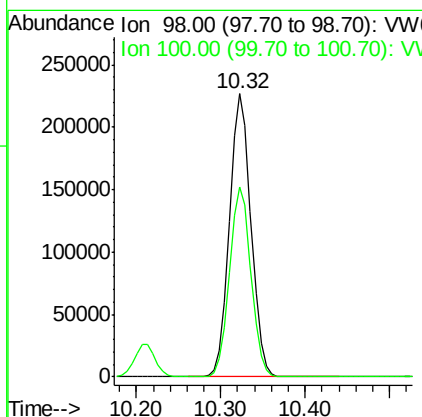
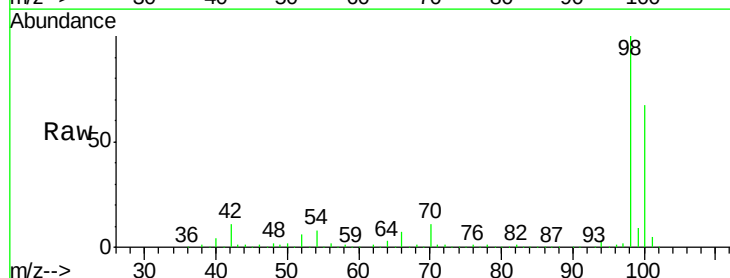
Manual Integrations
APPROVED

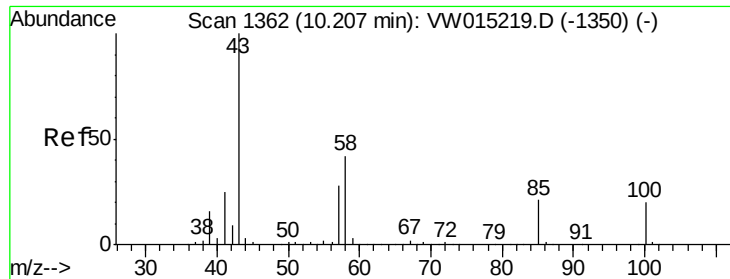
MMDadoda
4/21/2020 10:01:20 AM



#50
Toluene-d8
Concen: 53.130 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 178.067 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 225180

Ion Ratio Lower Upper

43 100

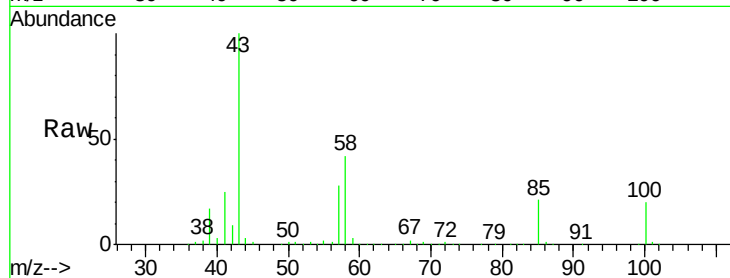
58 42.1 32.3 48.5

Manual Integrations

APPROVED

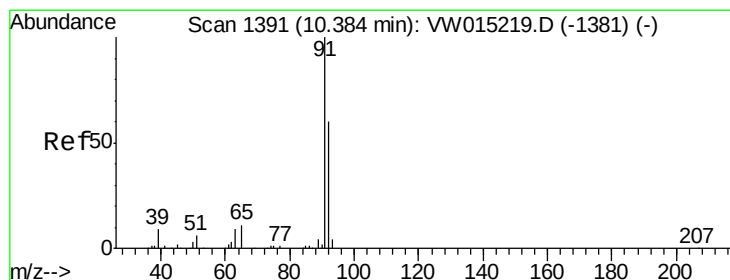
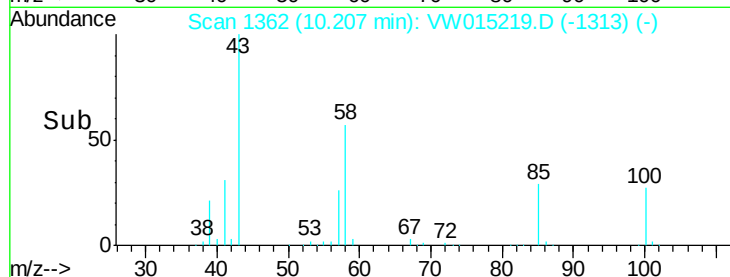
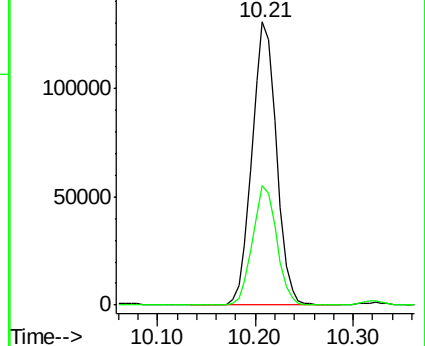
MMDadoda

4/21/2020 10:01:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.612 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015219.D

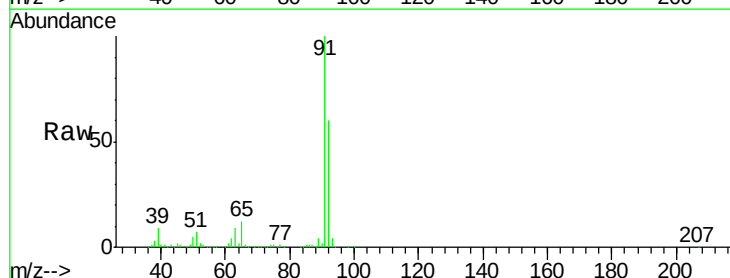
Acq: 20 Apr 2020 13:19

Tgt Ion: 92 Resp: 270422

Ion Ratio Lower Upper

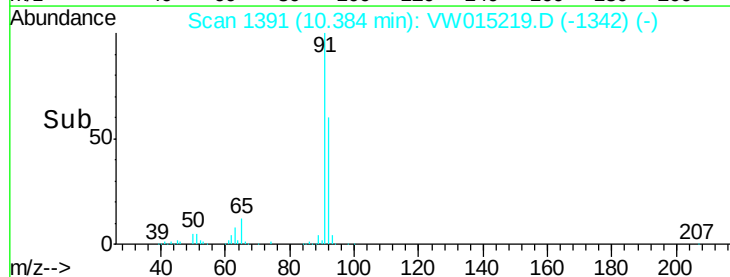
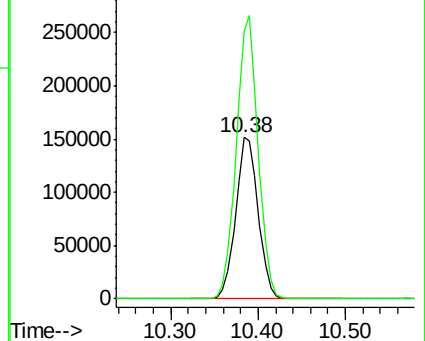
92 100

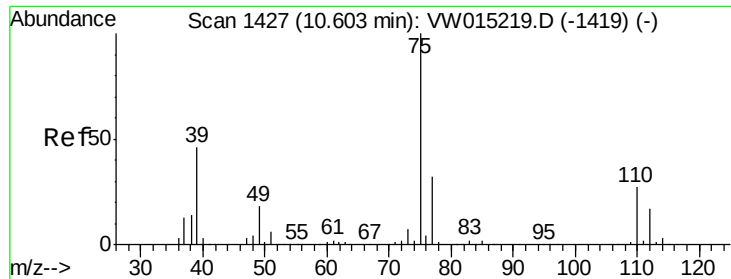
91 170.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





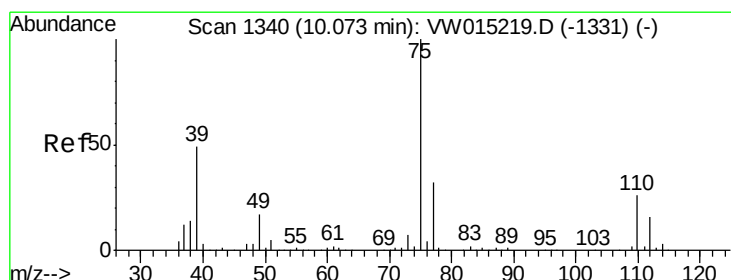
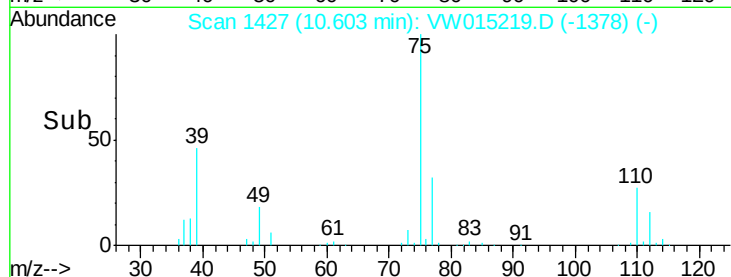
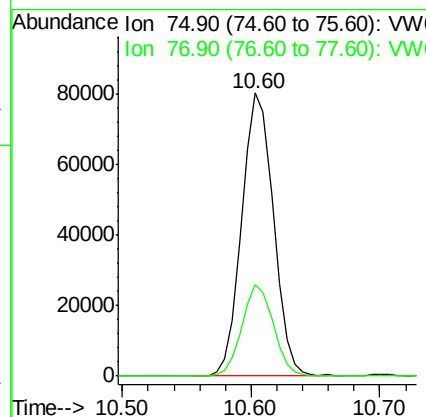
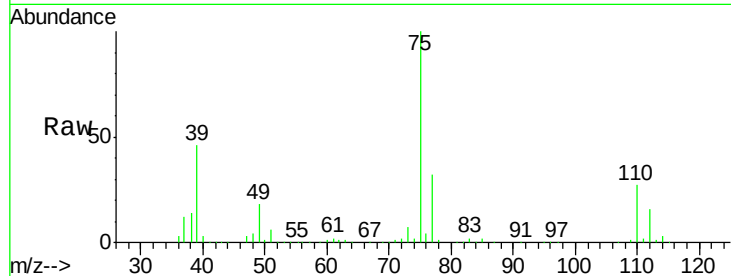
#53
 t-1,3-Dichloropropene
 Concen: 50.470 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

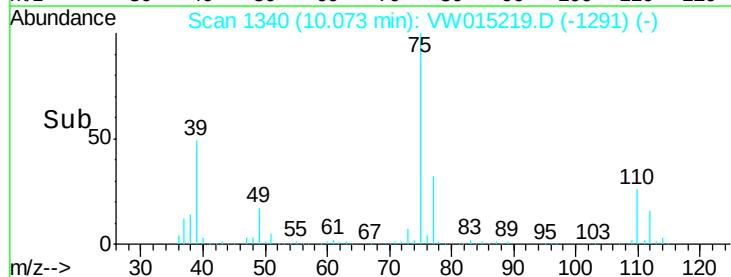
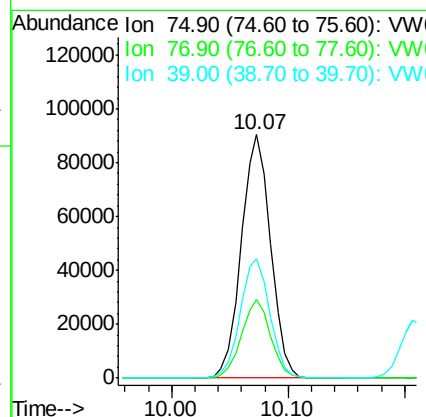
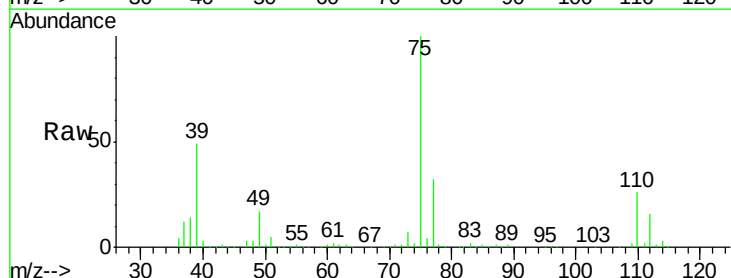
Manual Integrations
 APPROVED

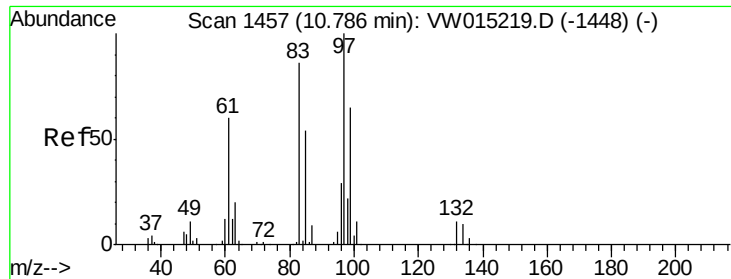
MMDadoda
 4/21/2020 10:01:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.380 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.6	39.8
39	49.0	37.8	56.6





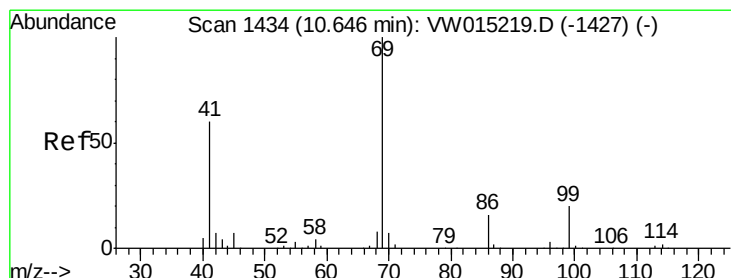
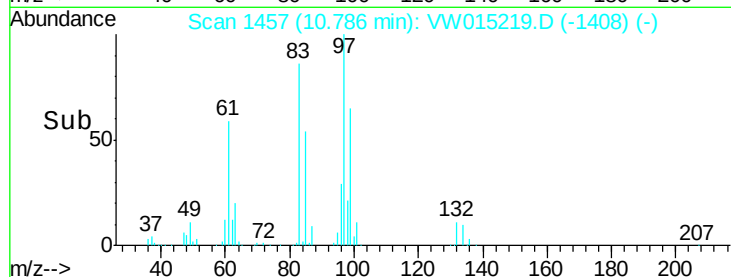
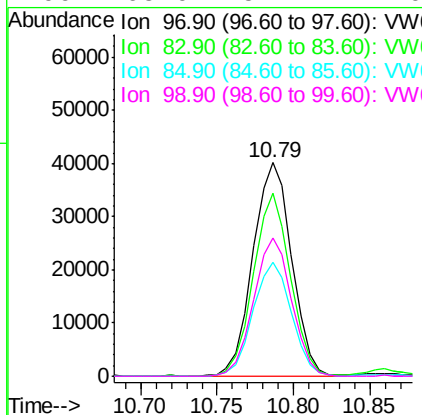
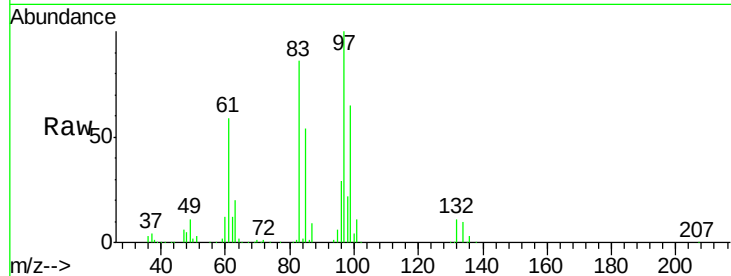
#55
 1,1,2-Trichloroethane
 Concen: 48.590 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	70666
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.3	100.9
85	53.7	43.8	65.8
99	65.0	51.4	77.0

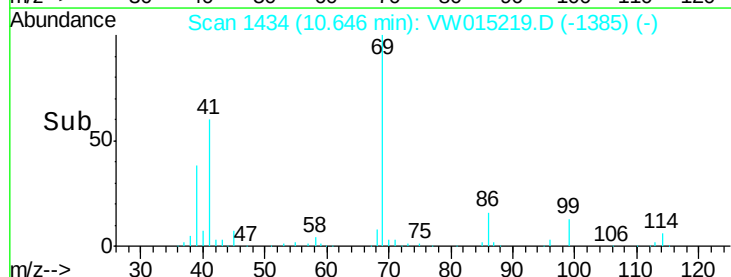
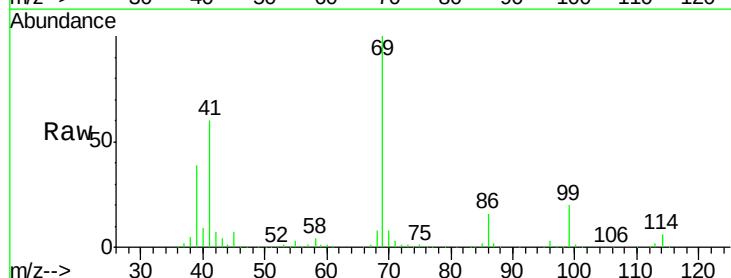
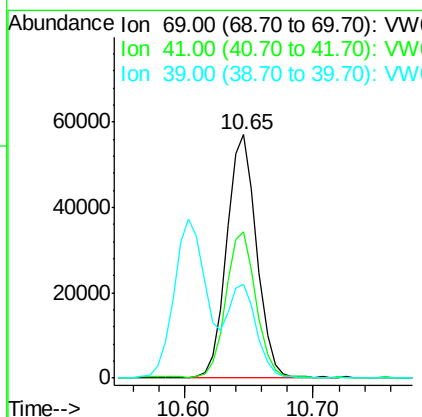
Manual Integrations
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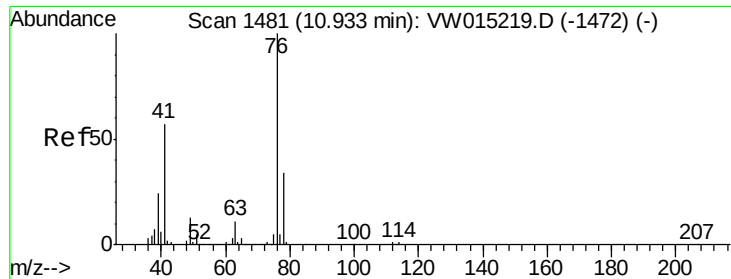
MMDadoda
 4/21/2020 10:01:20 AM



#56
 Ethyl methacrylate
 Concen: 46.123 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion:	69	Resp:	92434
Ion	Ratio	Lower	Upper
69	100		
41	59.5	51.3	76.9
39	35.7	24.6	37.0





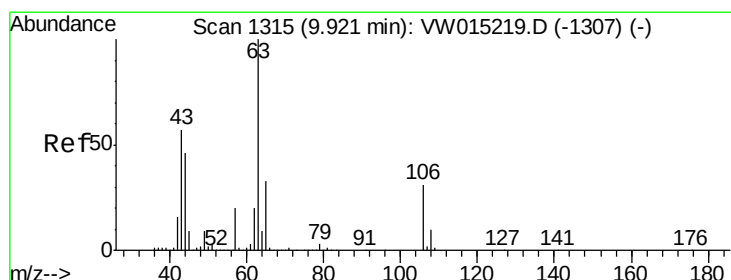
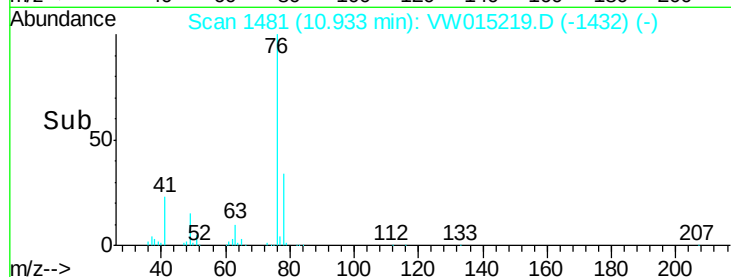
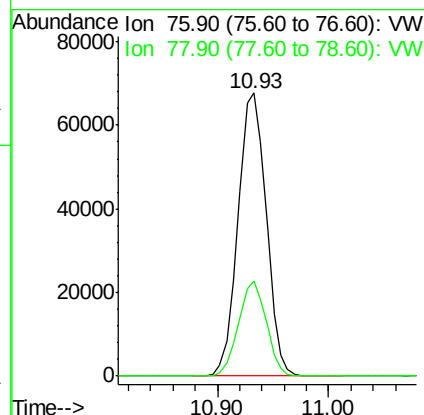
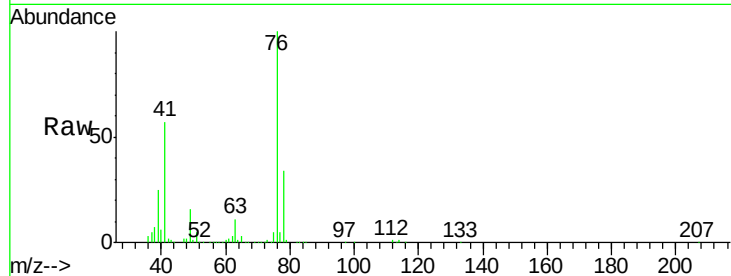
#57
 1,3-Dichloropropane
 Concen: 46.509 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 118884
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4

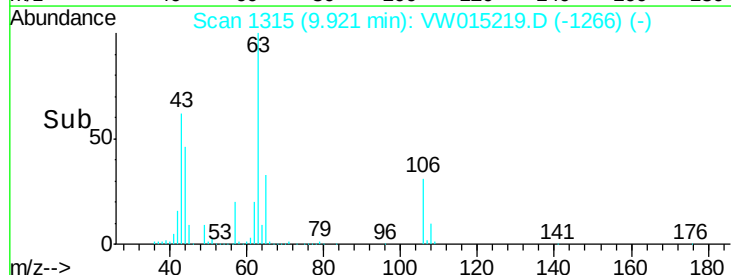
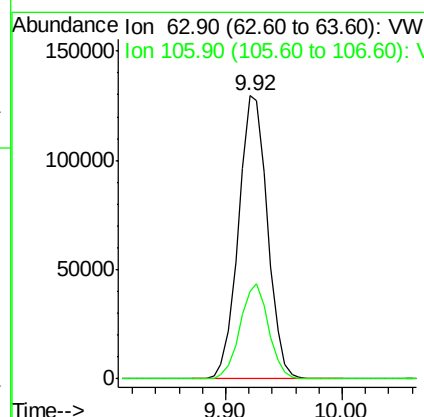
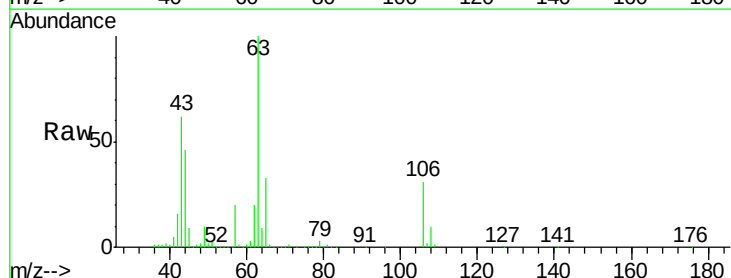
Manual Integrations
 APPROVED

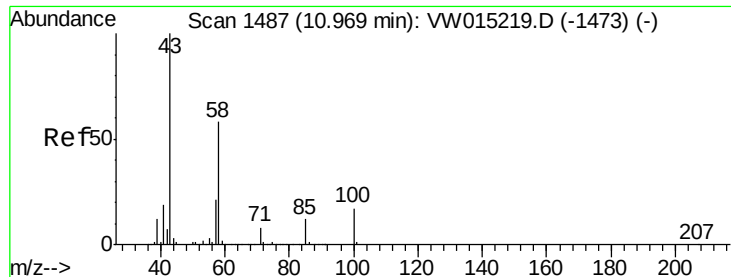
MMDadoda
 4/21/2020 10:01:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.002 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion: 63 Resp: 225155
 Ion Ratio Lower Upper
 63 100
 106 32.9 22.6 33.8





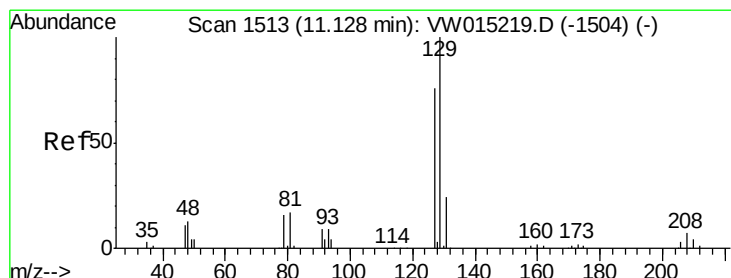
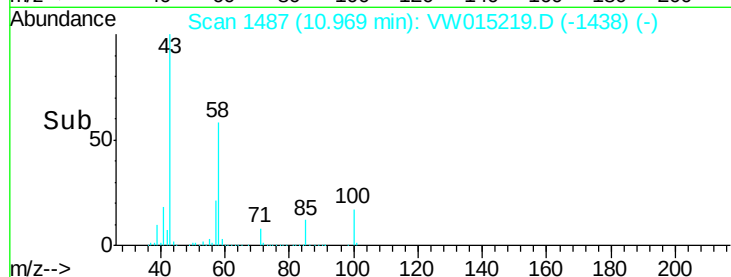
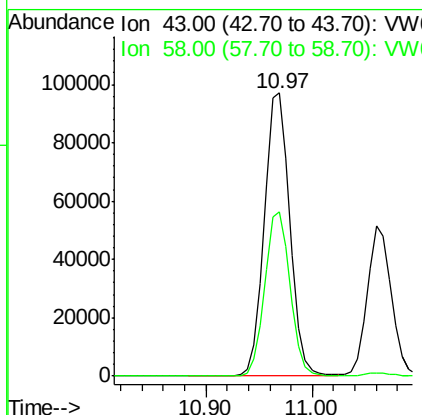
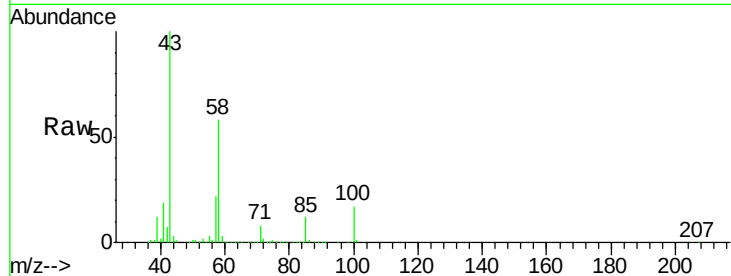
#59
2-Hexanone
Concen: 204.775 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	43	Resp	162521
Ion Ratio	100	Lower	Upper
43	100		
58	57.9	28.1	84.3

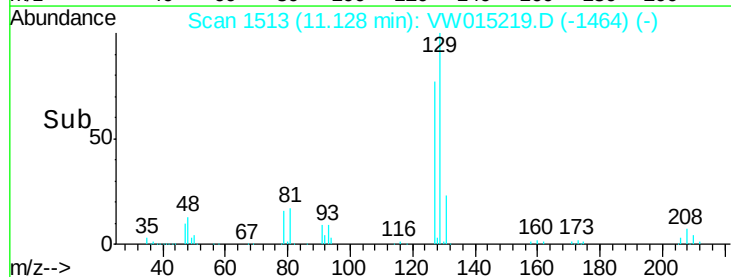
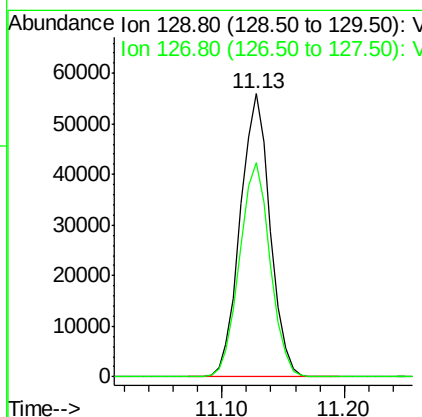
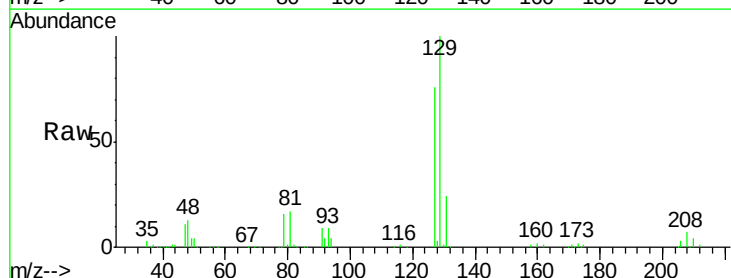
Manual Integrations
APPROVED

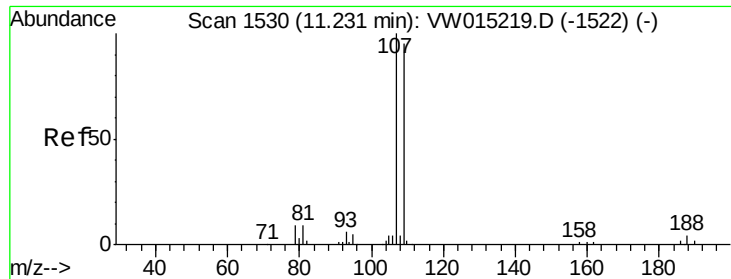
MMDadoda
4/21/2020 10:01:20 AM



#60
Dibromochloromethane
Concen: 54.551 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	129	Resp	94660
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.3	114.8





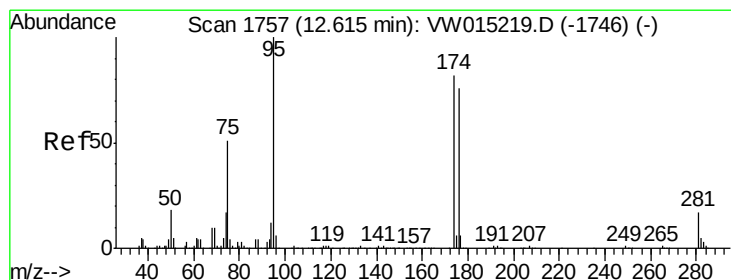
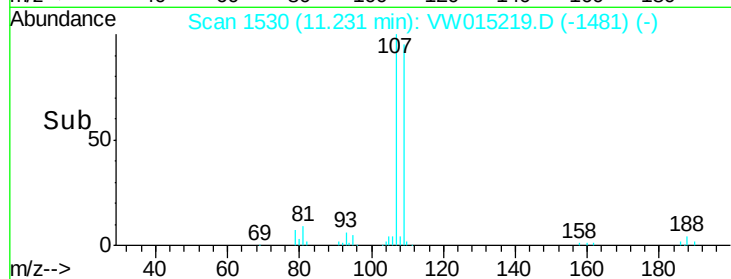
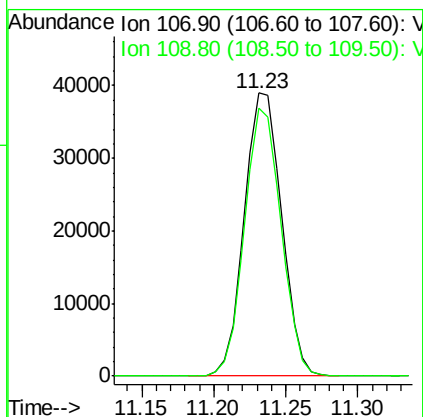
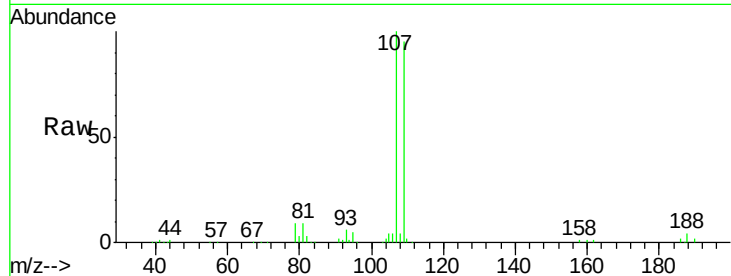
#61
 1,2-Dibromoethane
 Concen: 50.023 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5

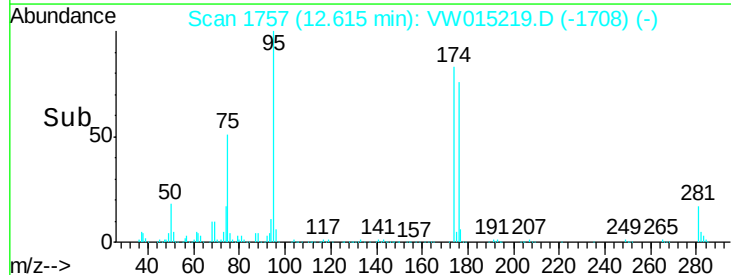
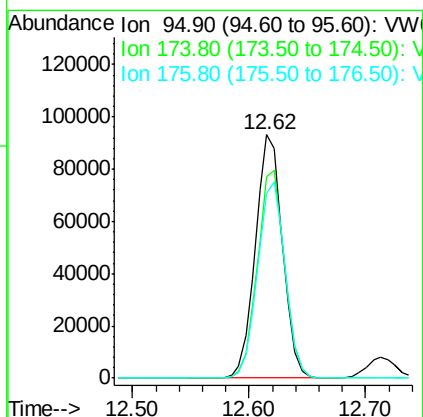
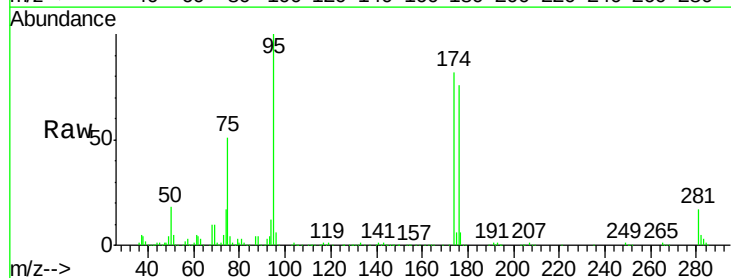
Manual Integrations
 APPROVED

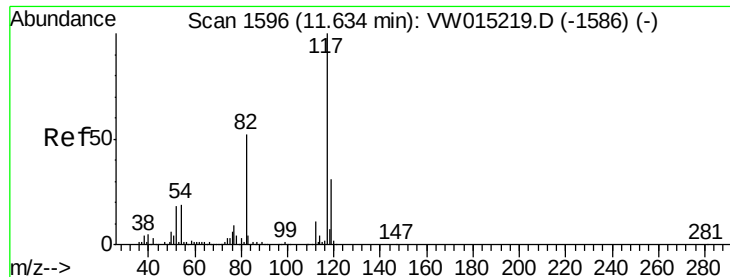
MMDadoda
 4/21/2020 10:01:20 AM



#62
 4-Bromofluorobenzene
 Concen: 58.398 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	144.4
176	82.2	0.0	140.6





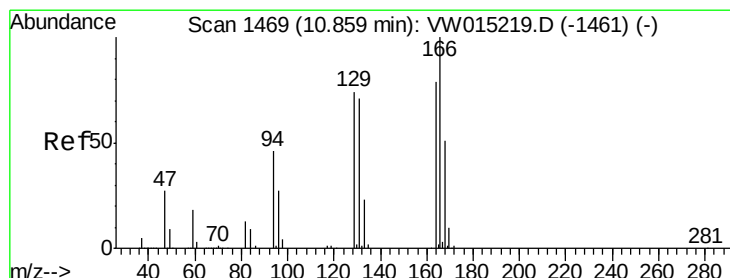
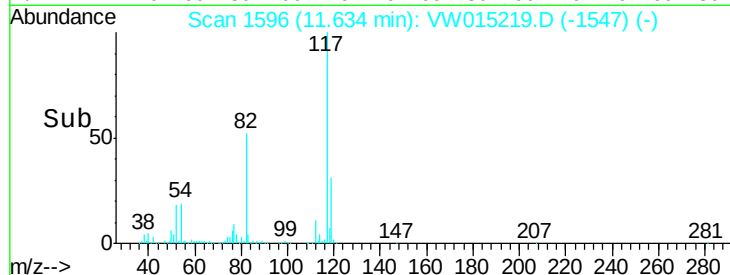
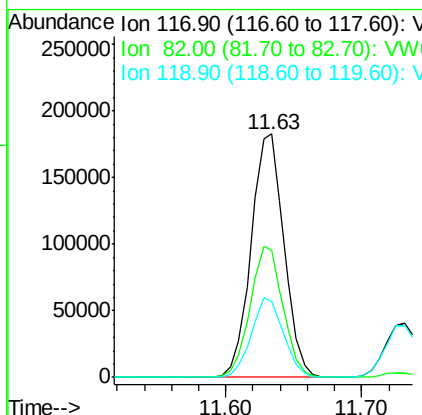
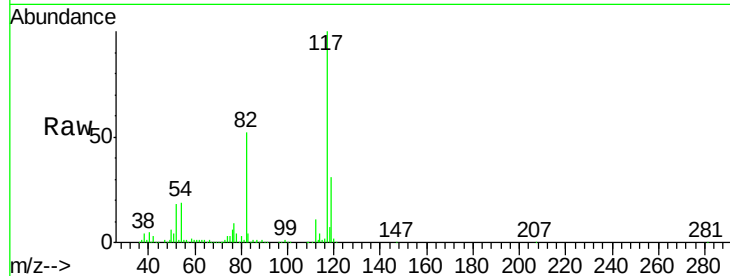
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309764		
82	52.0		44.1	66.1
119	31.0		24.9	37.3

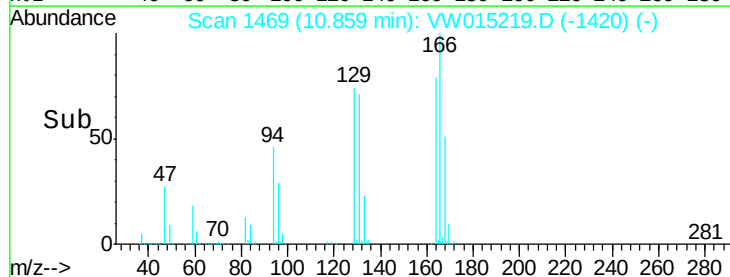
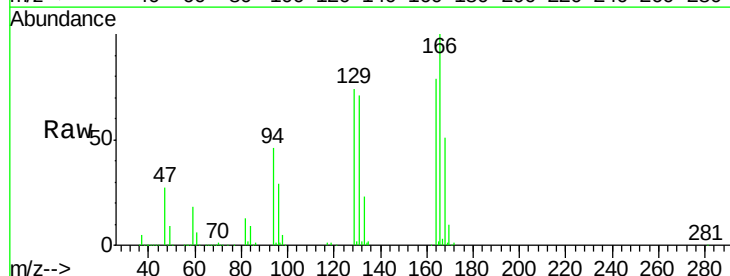
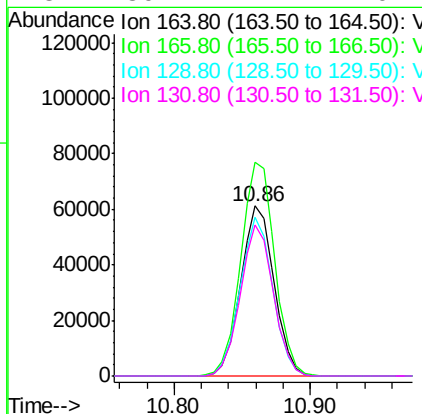
Manual Integrations
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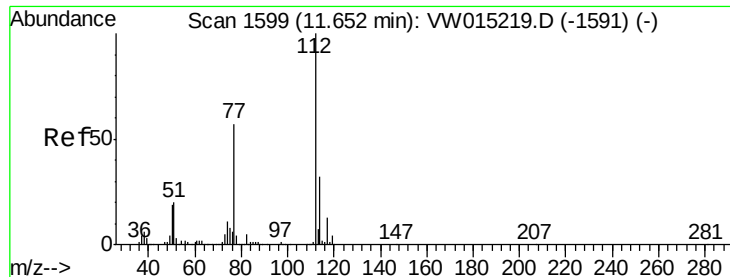
MMDadoda
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#64
Tetrachloroethene
Concen: 57.364 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104376		
166	125.8		102.6	154.0
129	93.6		80.2	120.2
131	89.2		77.4	116.2





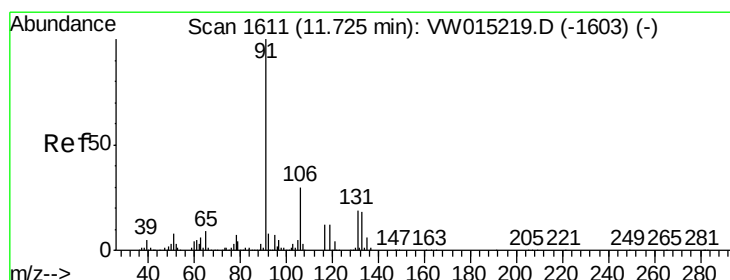
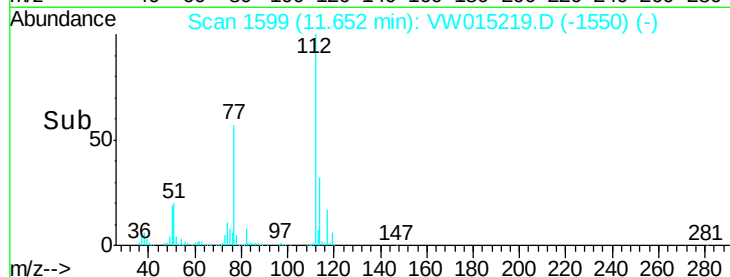
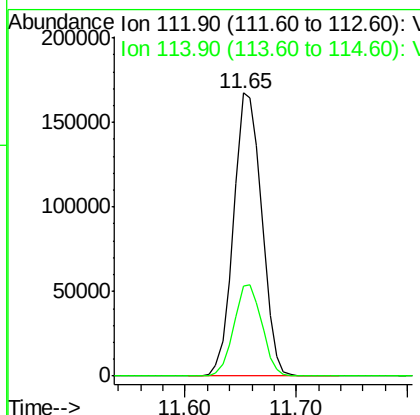
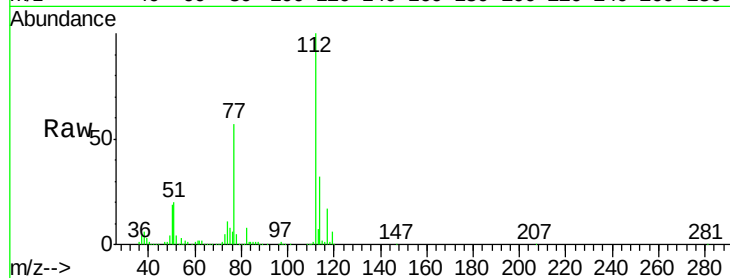
#65
Chlorobenzene
Concen: 50.213 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

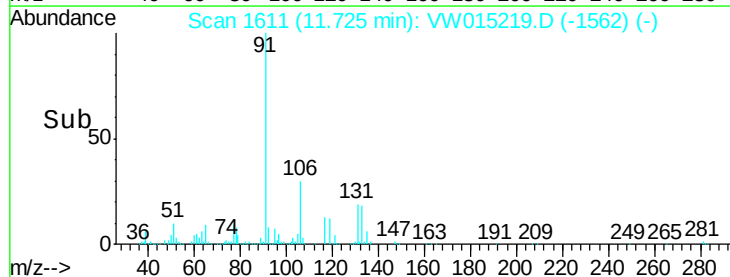
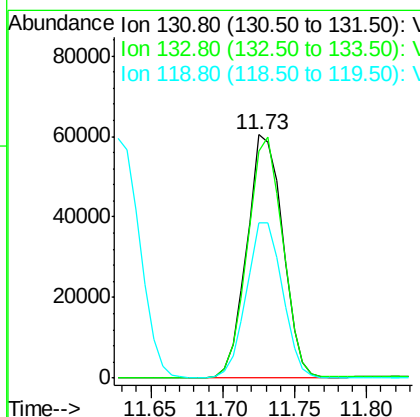
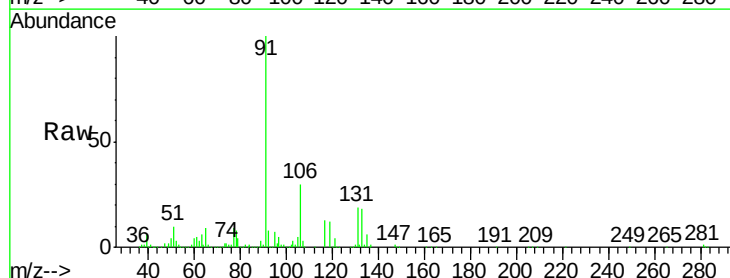
Manual Integrations
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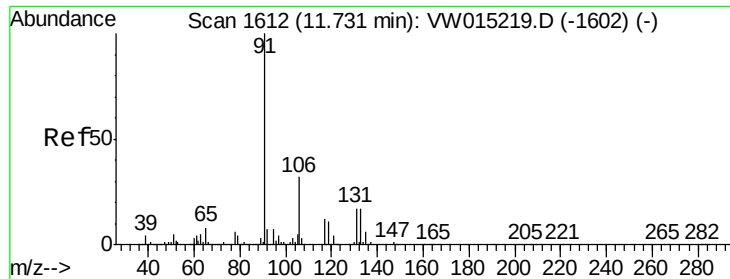
MMDadoda
4/21/2020 10:01:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.006 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.7	143.1
119	63.7	34.0	101.8





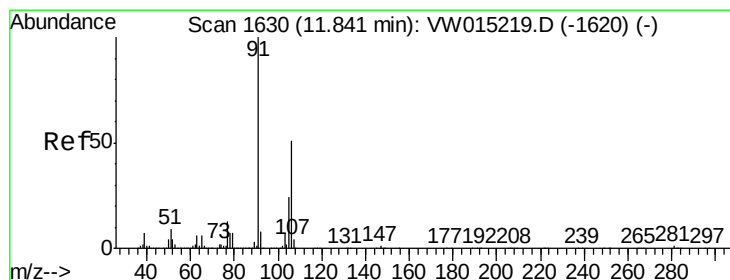
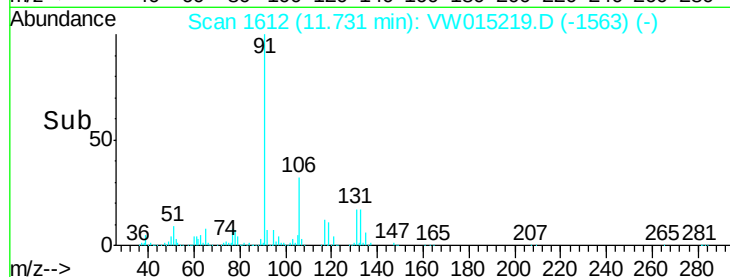
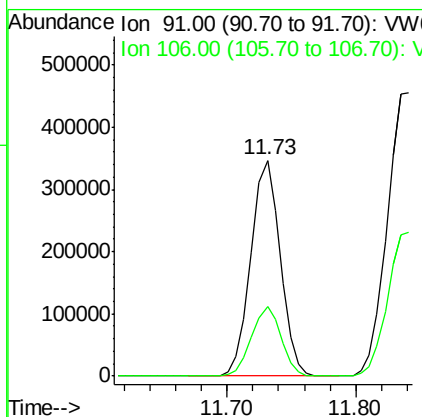
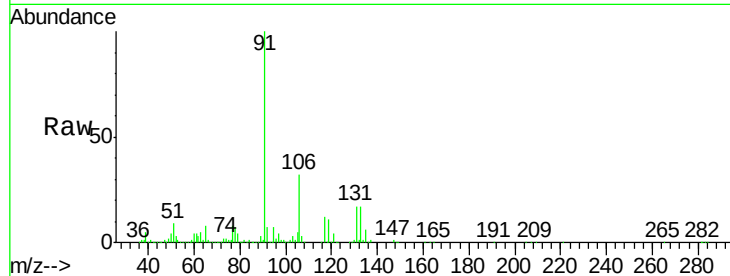
#67
Ethyl Benzene
Concen: 49.568 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5

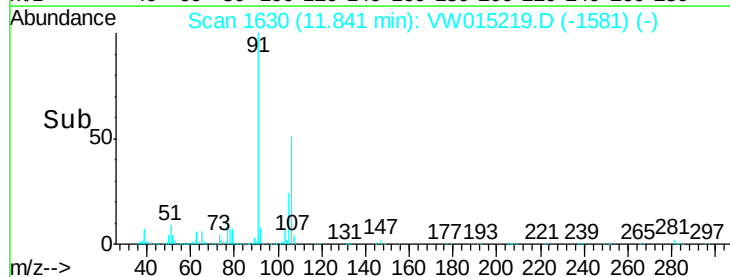
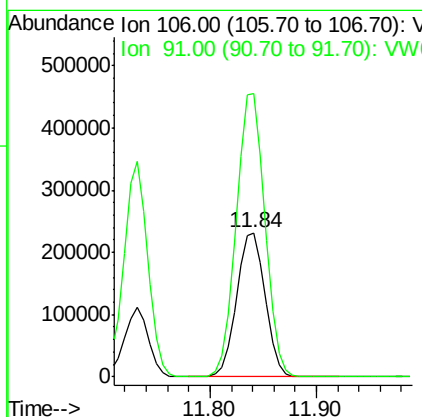
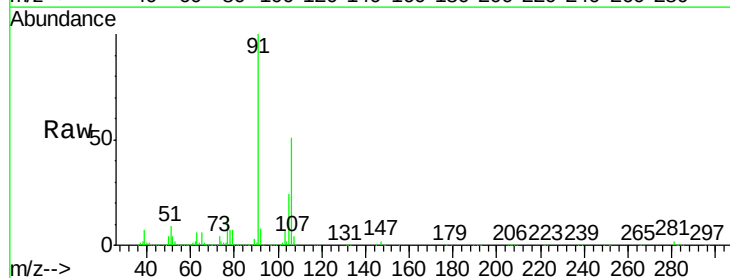
Manual Integrations
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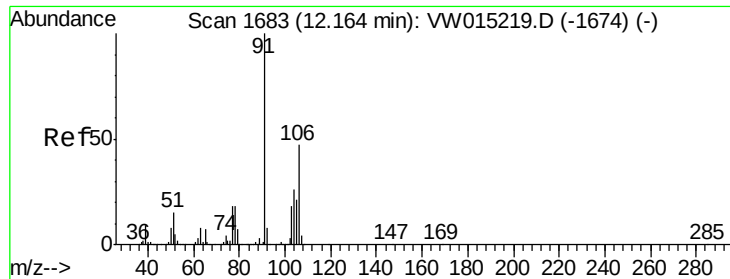
MMDadoda
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#68
m/p-Xylenes
Concen: 104.341 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.6	160.0	240.0





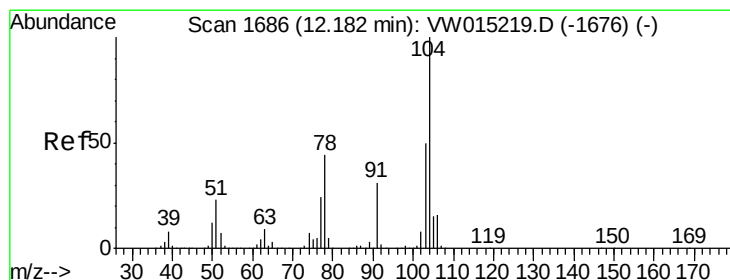
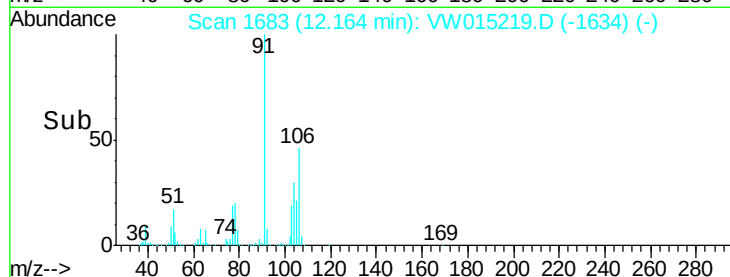
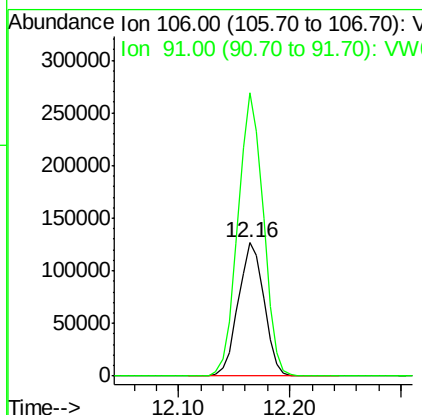
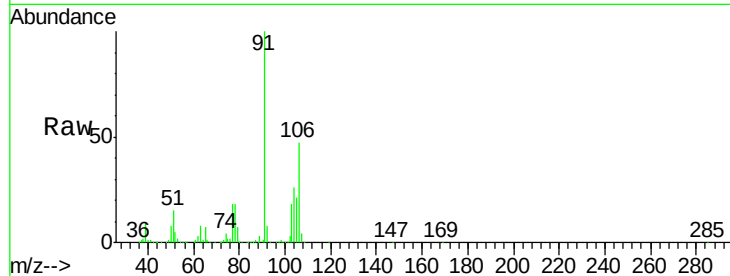
#69
o-Xylene
Concen: 51.785 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.4	105.7	317.1	

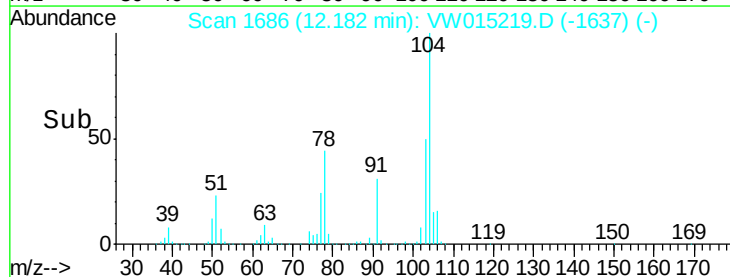
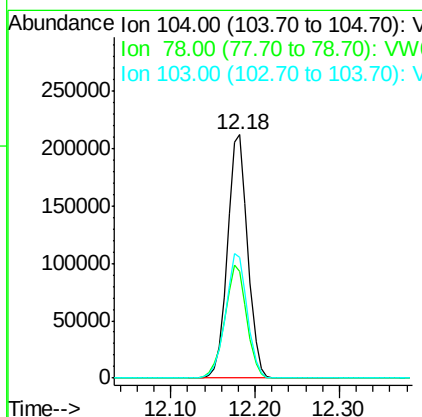
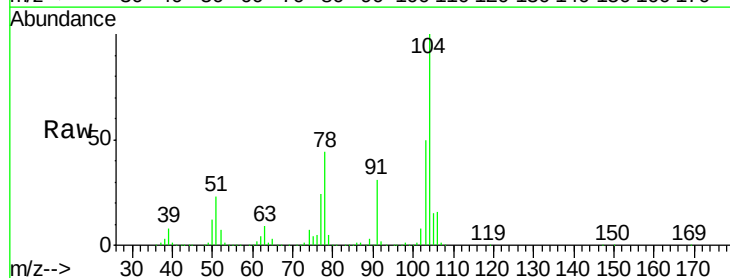
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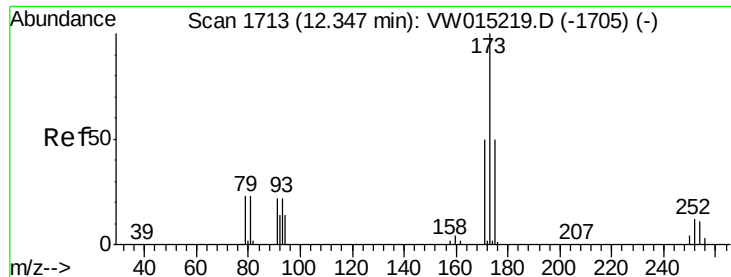
MMDadoda
4/21/2020 10:01:20 AM



#70
Styrene
Concen: 52.484 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.9	39.8	59.6	
103	54.8	43.8	65.6	





#71

Bromoform

Concen: 58.853 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 58881

Ion Ratio Lower Upper

173 100

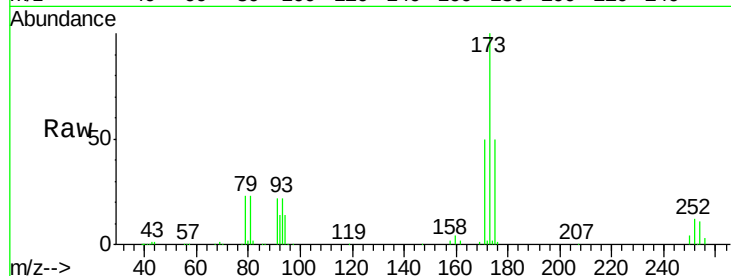
175 48.4 25.1 75.4

254 0.0 0.1 0.1#

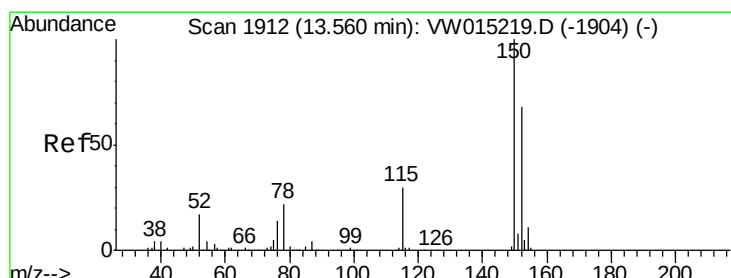
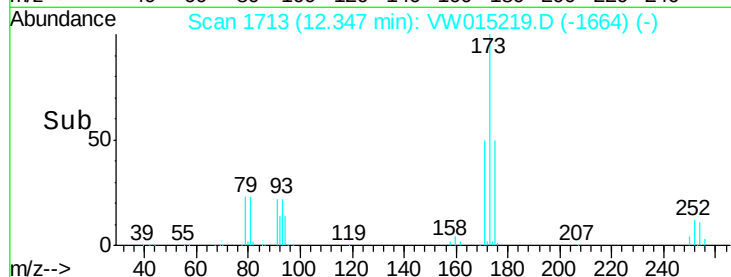
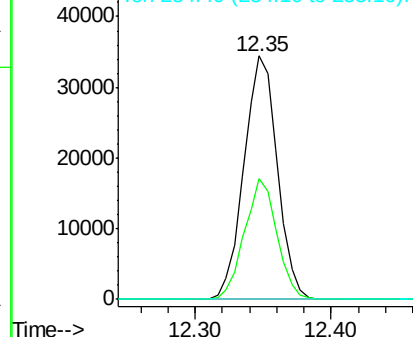
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

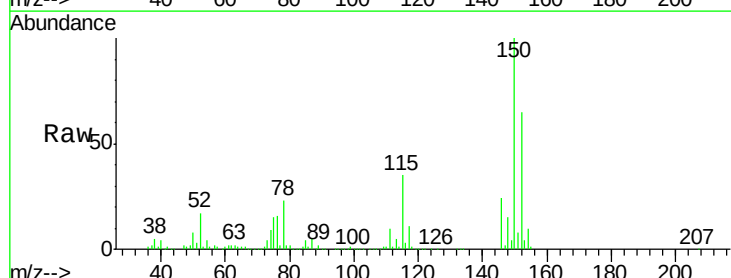
Tgt Ion:152 Resp: 173073

Ion Ratio Lower Upper

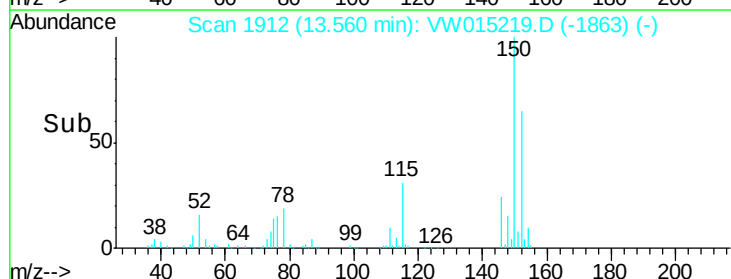
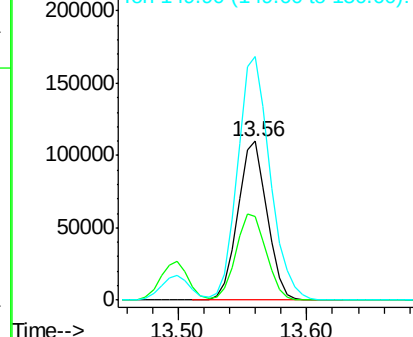
152 100

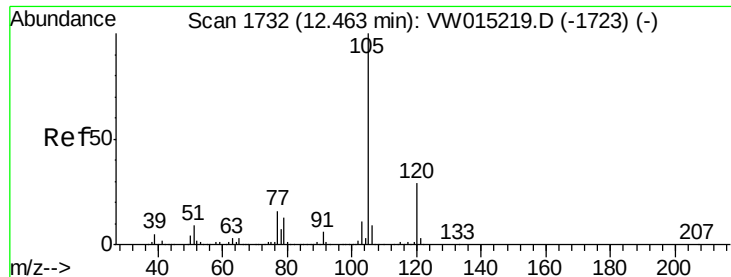
115 56.6 31.3 93.9

150 169.8 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.422 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 560448

Ion Ratio Lower Upper

105 100

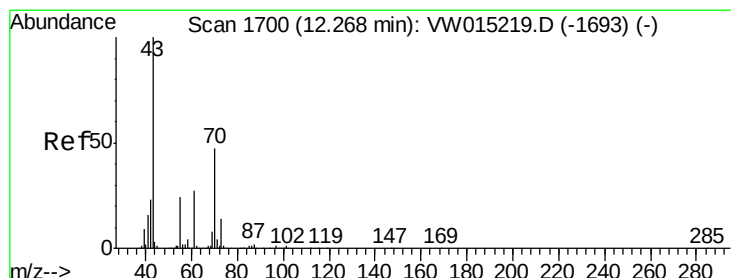
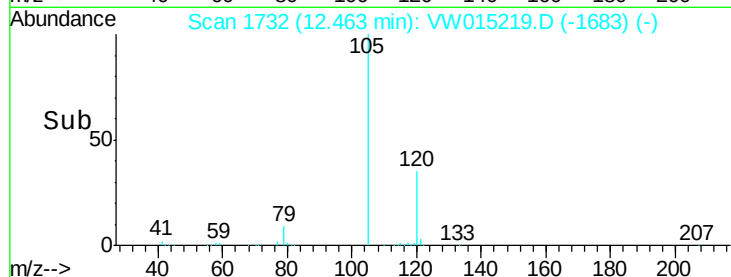
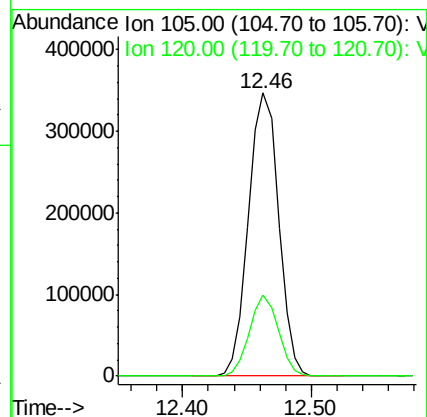
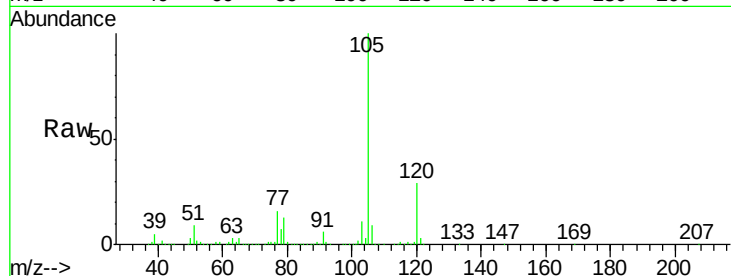
120 27.4 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 32.832 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Tgt Ion: 43 Resp: 98509

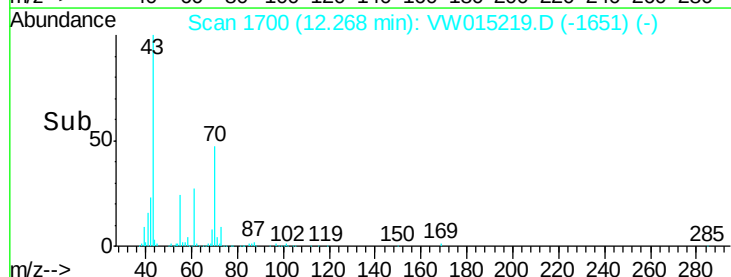
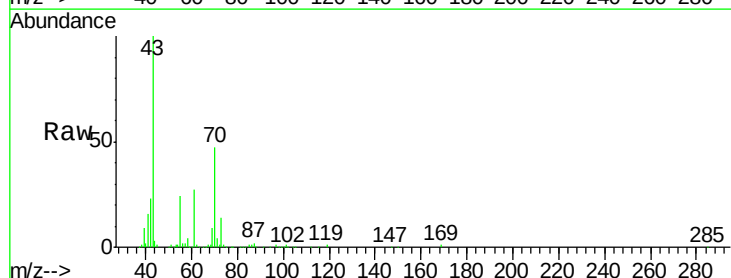
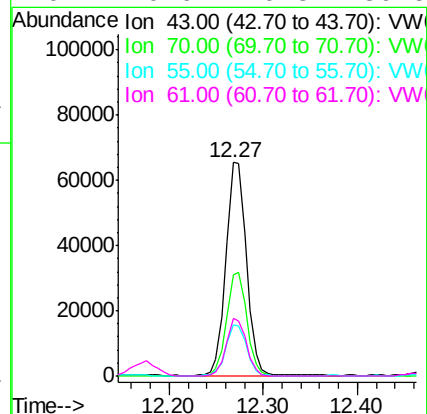
Ion Ratio Lower Upper

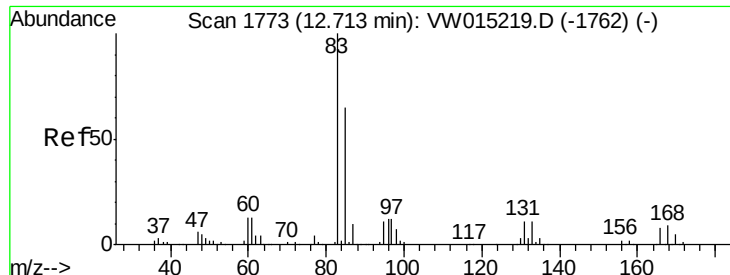
43 100

70 48.4 35.4 53.2

55 24.3 18.5 27.7

61 26.6 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 35.574 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 76932

Ion Ratio Lower Upper

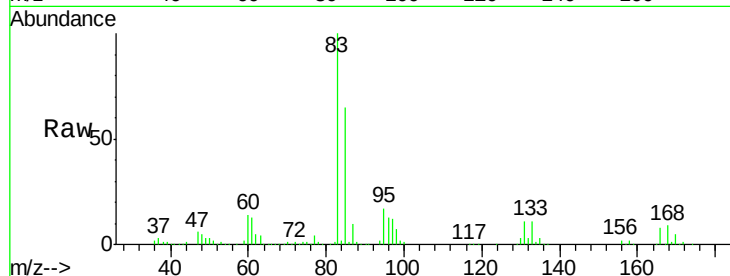
83 100

131 11.8 5.1 15.2

85 64.5 32.3 96.8

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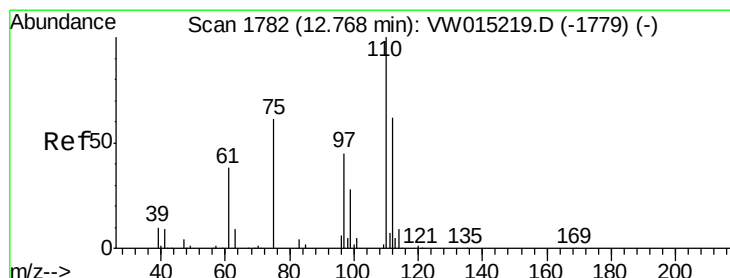
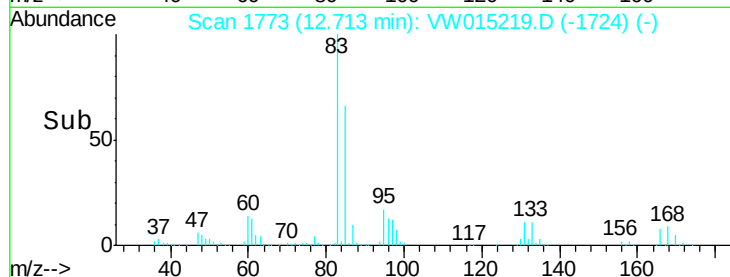
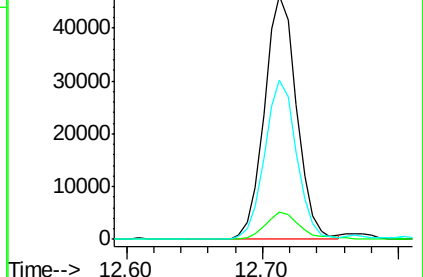
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.281 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015219.D

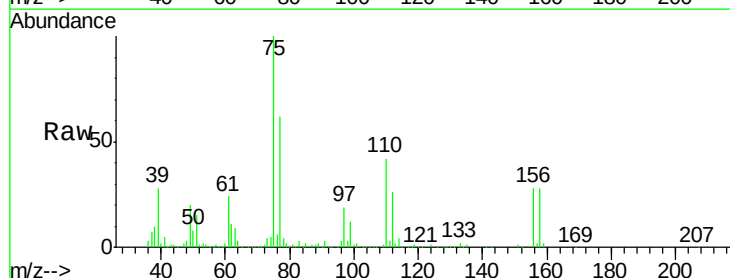
Acq: 20 Apr 2020 13:19

Tgt Ion: 75 Resp: 61161

Ion Ratio Lower Upper

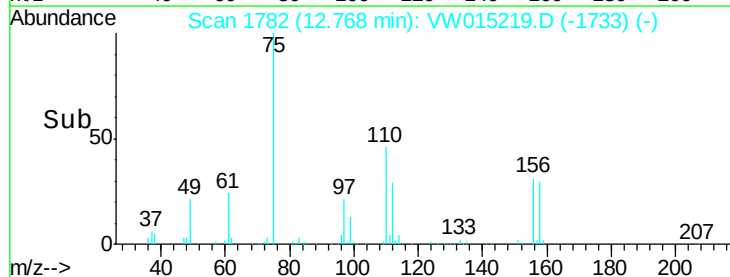
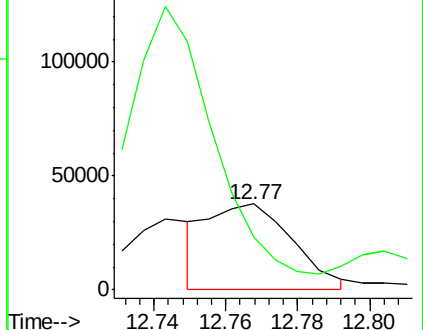
75 100

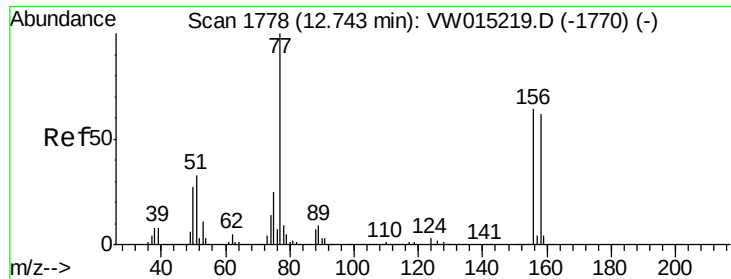
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





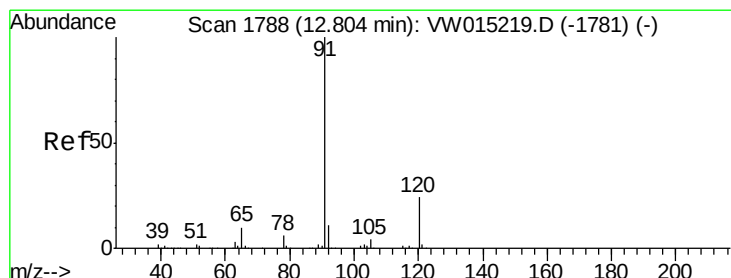
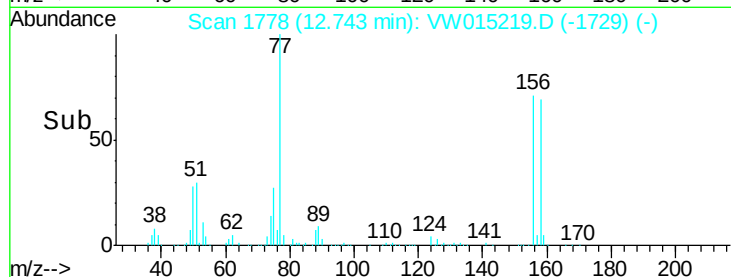
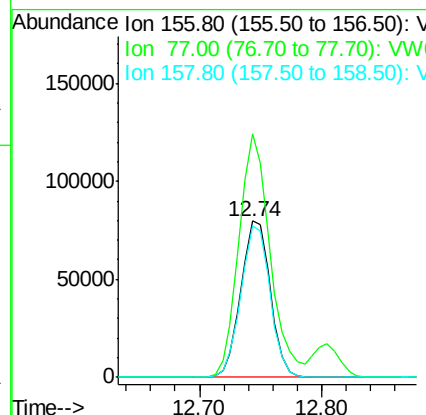
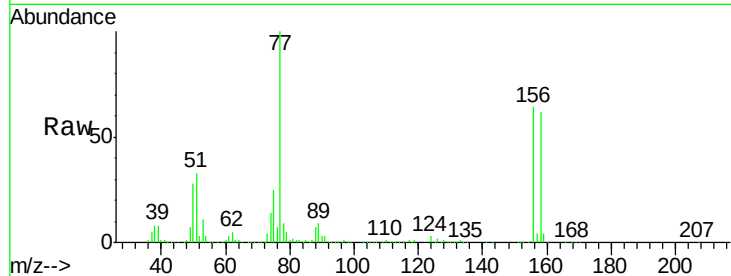
#77
Bromobenzene
Concen: 49.707 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	165.4	100.5	301.5	
158	96.1	47.9	143.8	

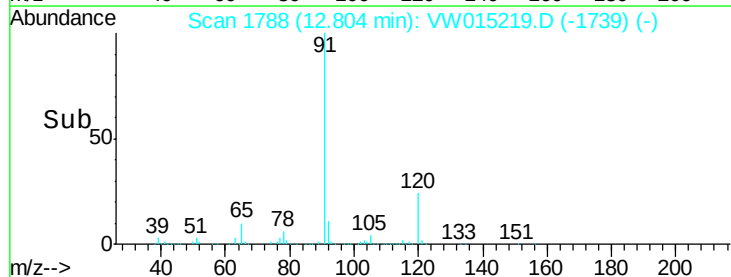
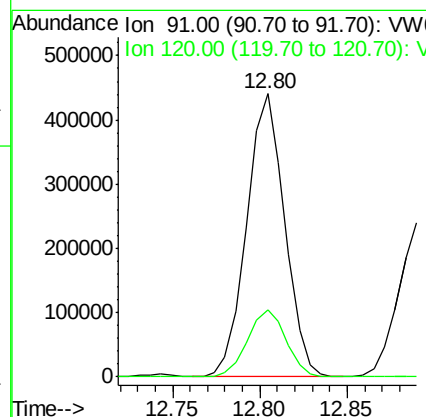
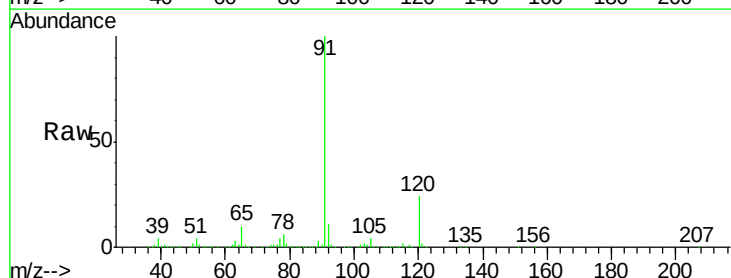
Manual Integrations
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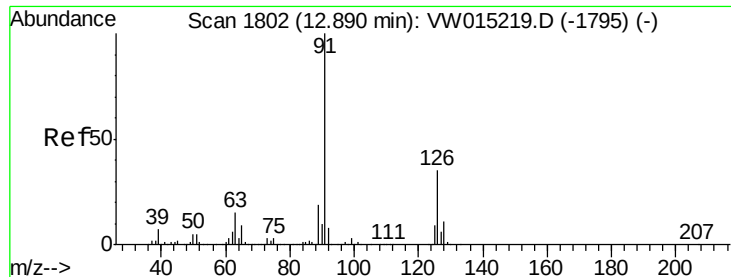
MMDadoda
4/21/2020 10:01:20 AM



#78
n-propylbenzene
Concen: 42.539 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	11.4	34.1	





#79

2-Chlorotoluene

Concen: 43.620 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 375346

Ion Ratio Lower Upper

91 100

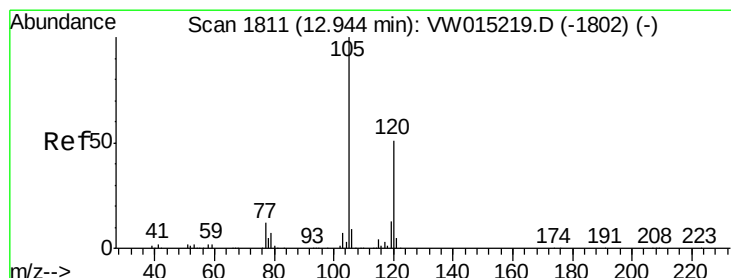
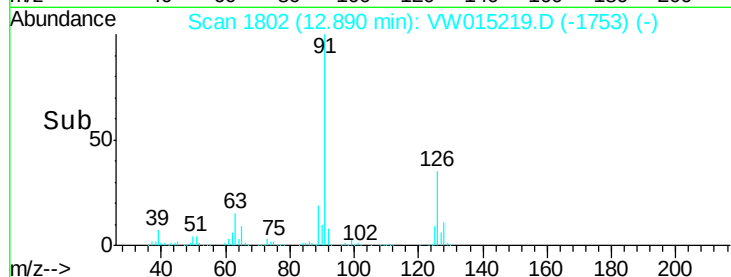
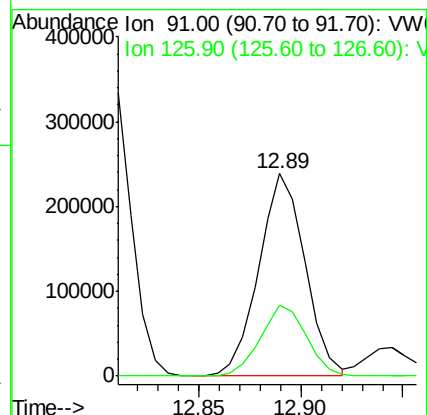
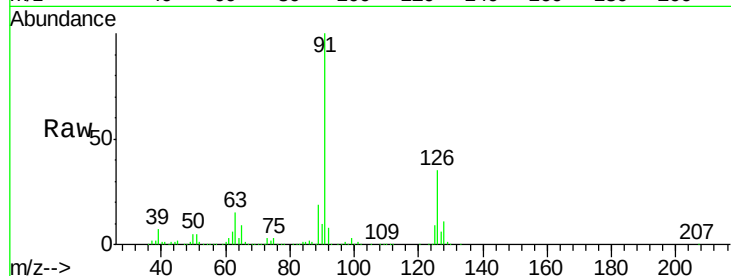
126 35.1 16.8 50.4

Manual Integrations

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4/21/2020 10:01:20 AM



#80

1,3,5-Trimethylbenzene

Concen: 45.262 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015219.D

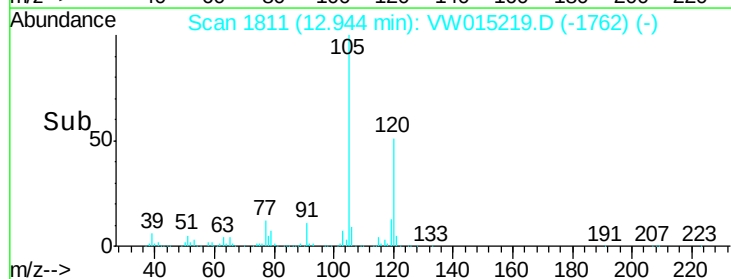
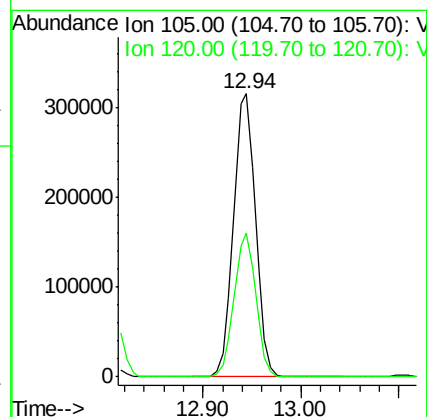
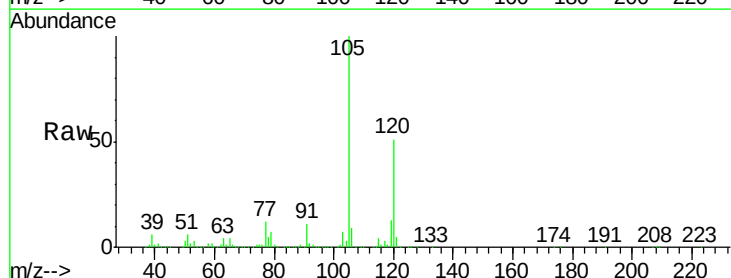
Acq: 20 Apr 2020 13:19

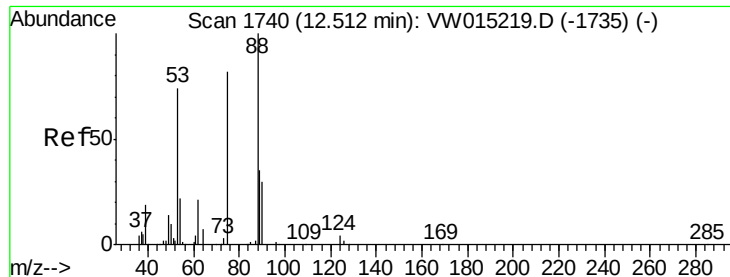
Tgt Ion: 105 Resp: 491914

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.8





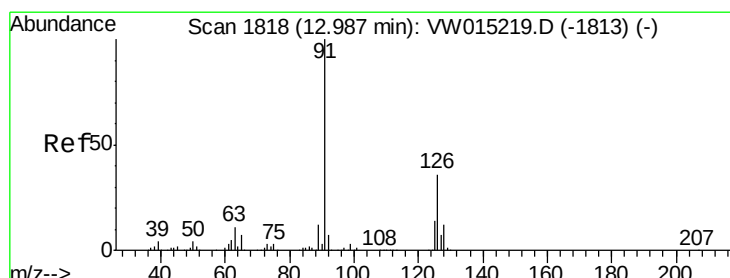
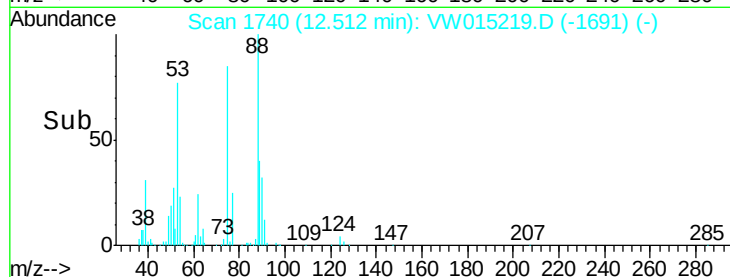
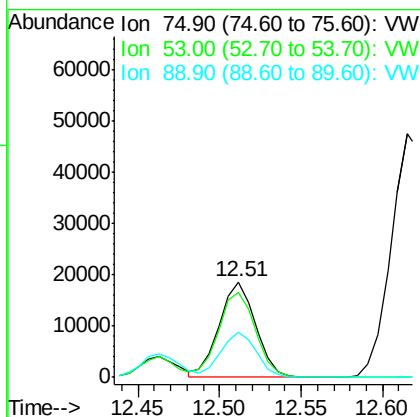
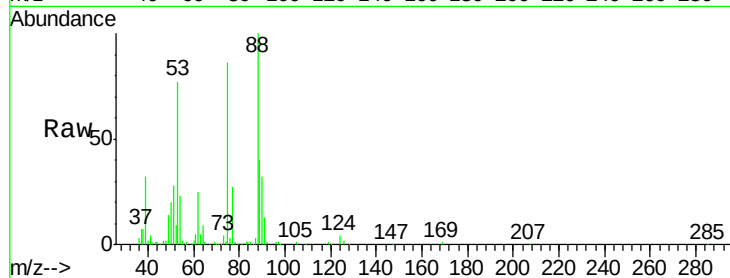
#81
trans-1,4-Dichloro-2-butene
Concen: 37.953 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	69.4	104.2
89	45.6	34.8	52.2

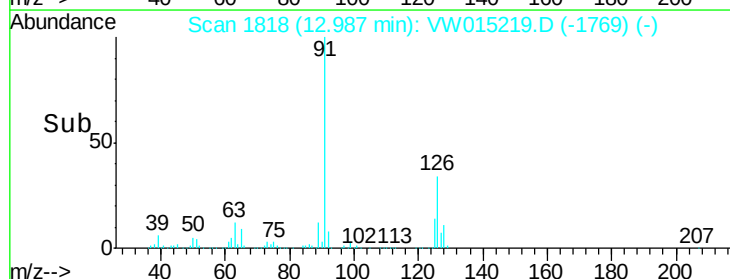
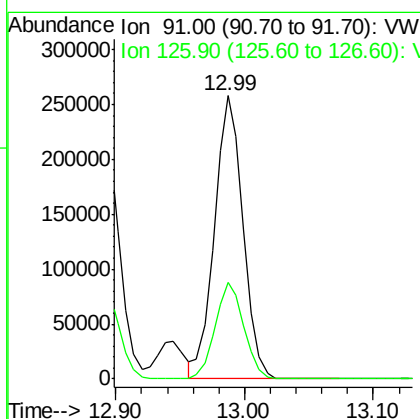
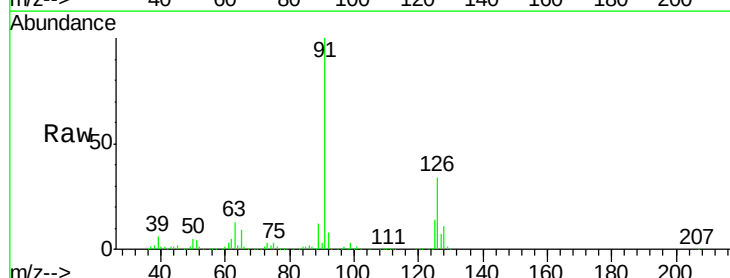
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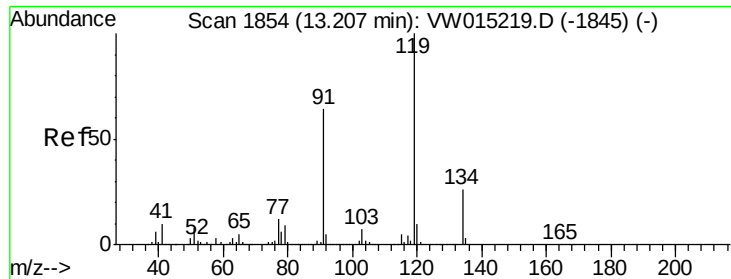
MMDadoda
4/21/2020 10:01:20 AM



#82
4-Chlorotoluene
Concen: 43.975 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.3





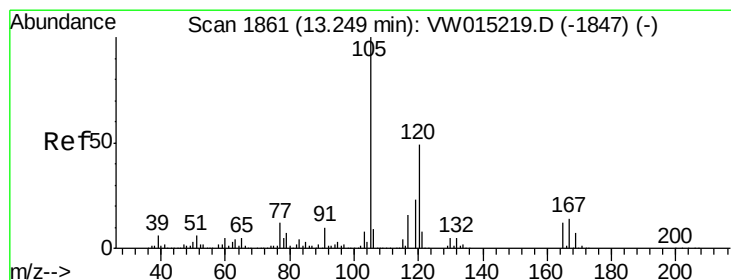
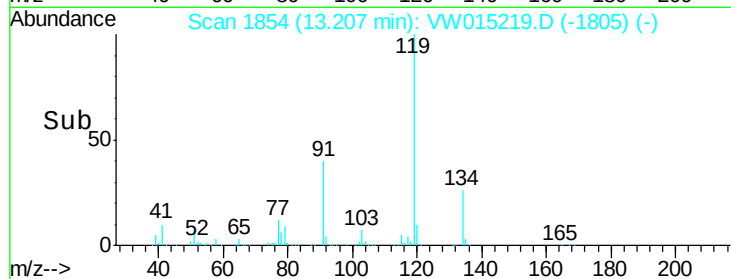
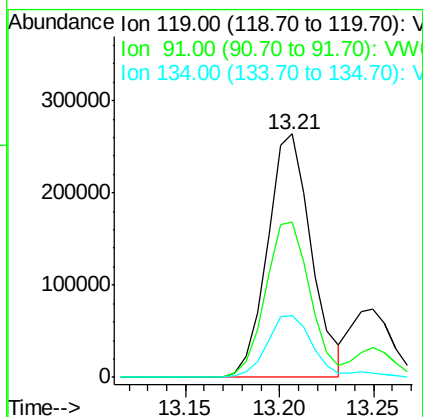
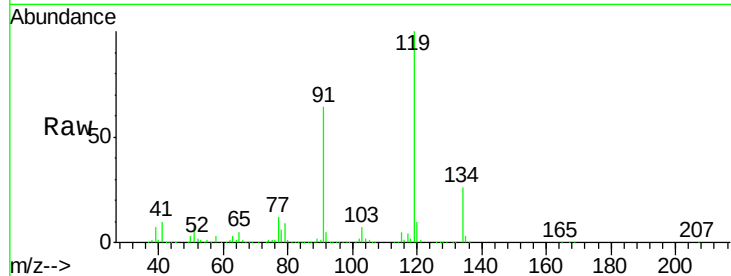
#83
tert-Butylbenzene
Concen: 45.097 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.8	98.3
134	27.7	13.3	39.9

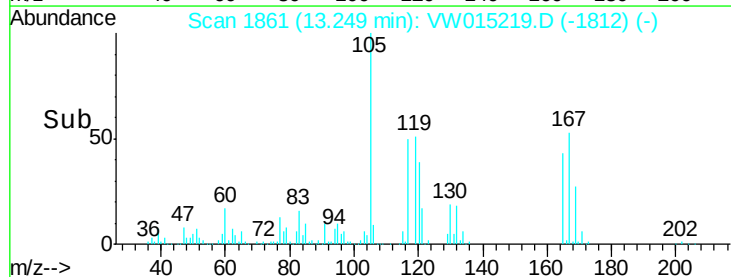
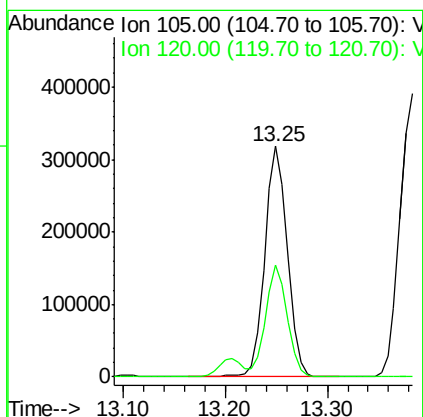
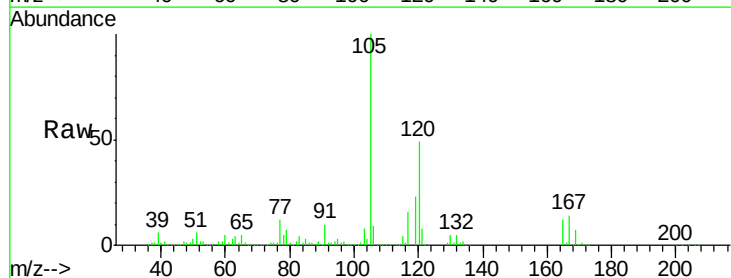
Manual Integrations
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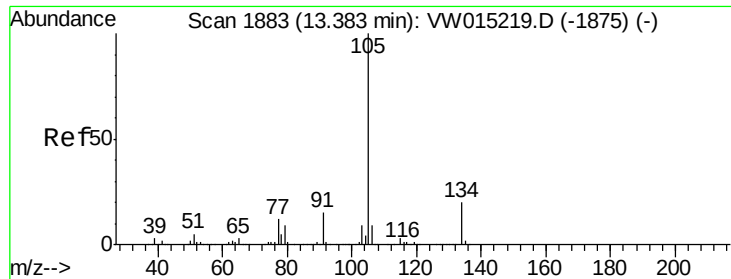
MMDadoda
4/21/2020 10:01:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 45.127 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 44.299 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 593292

Ion Ratio Lower Upper

105 100

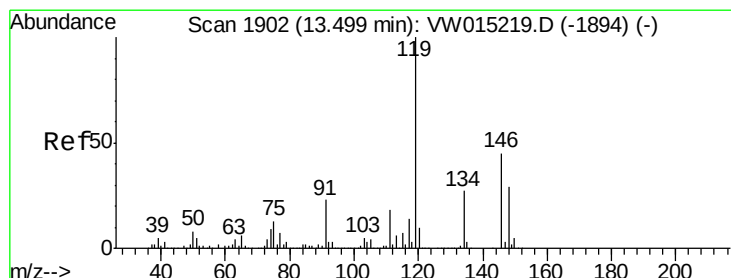
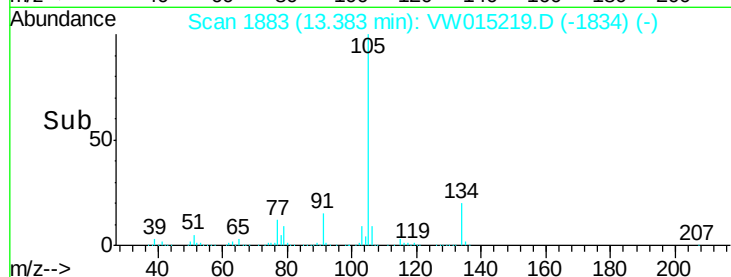
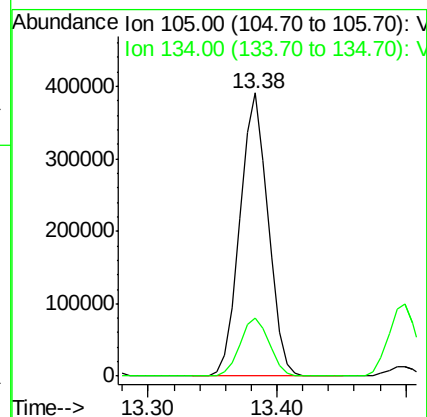
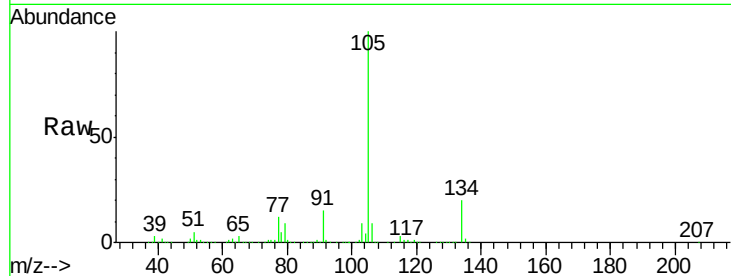
134 21.1 10.1 30.1

Manual Integrations

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MMDadoda

4/21/2020 10:01:20 AM



#86

p-Isopropyltoluene

Concen: 47.032 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015219.D

Acq: 20 Apr 2020 13:19

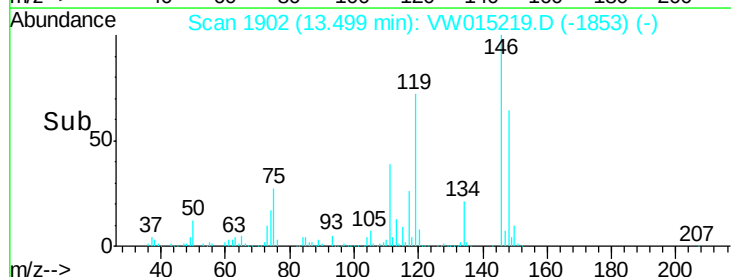
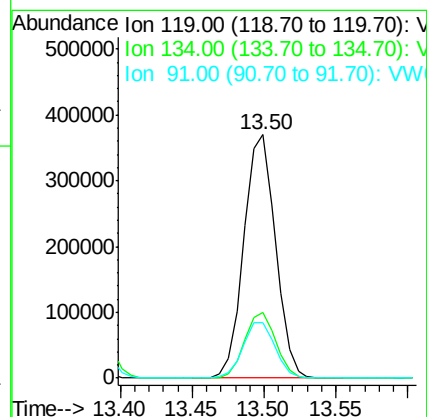
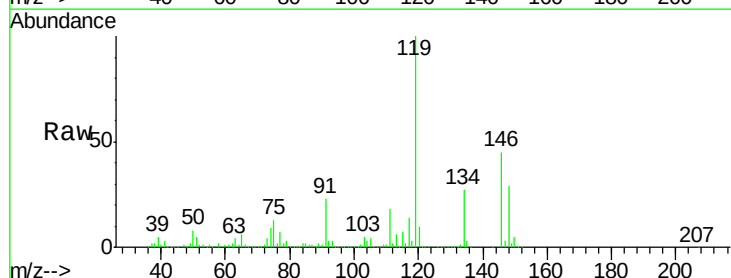
Tgt Ion:119 Resp: 562037

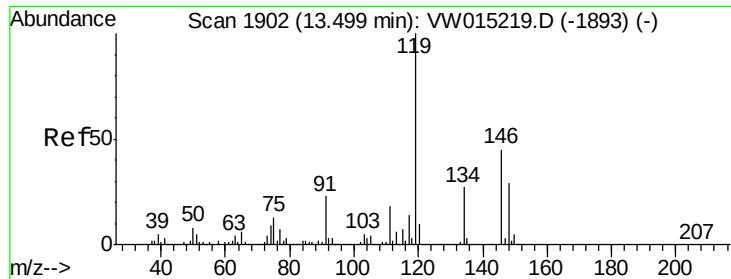
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.3 12.0 36.1





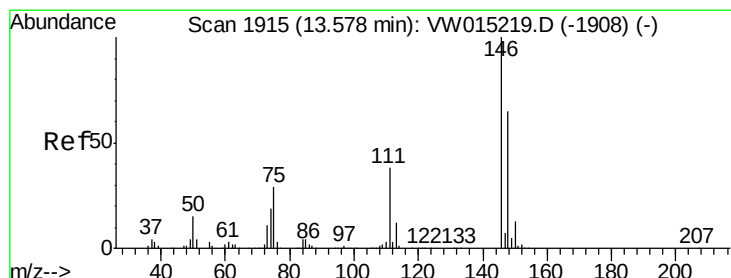
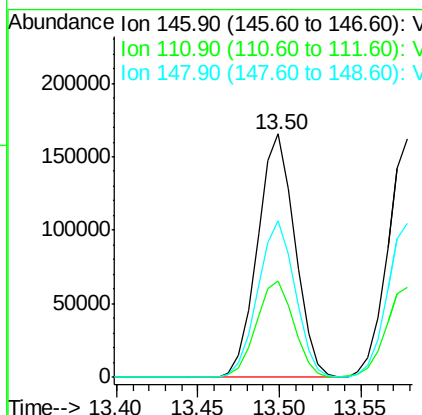
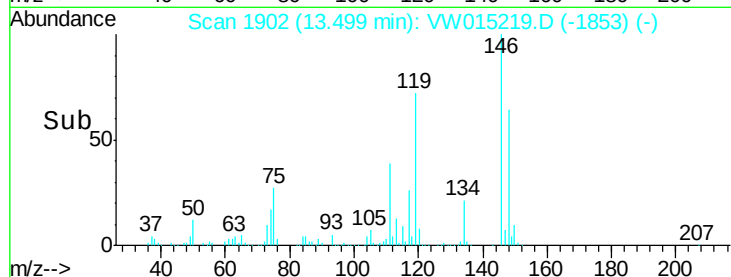
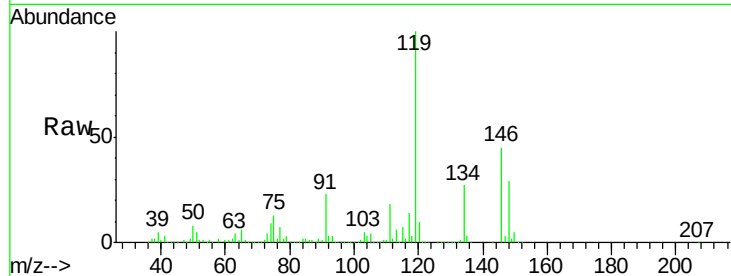
#87
 1,3-Dichlorobenzene
 Concen: 49.318 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.4
148	64.1	31.8	95.3

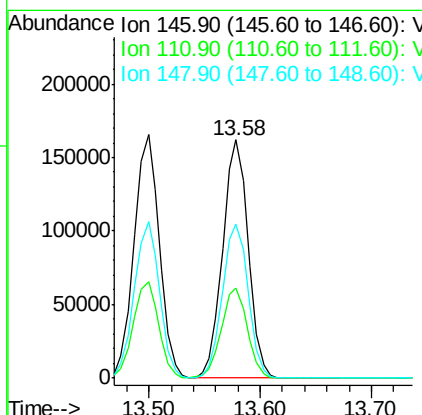
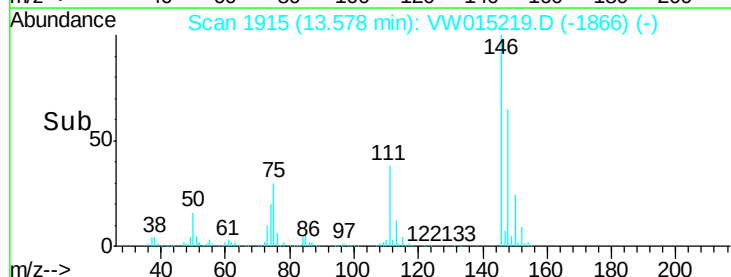
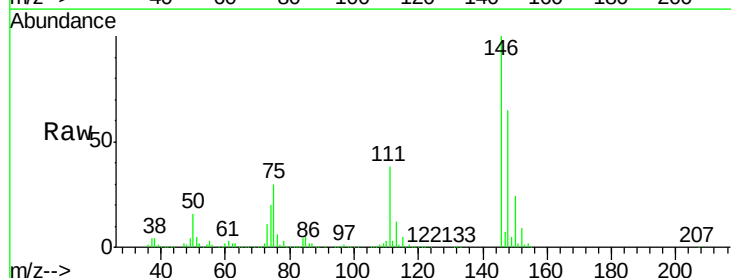
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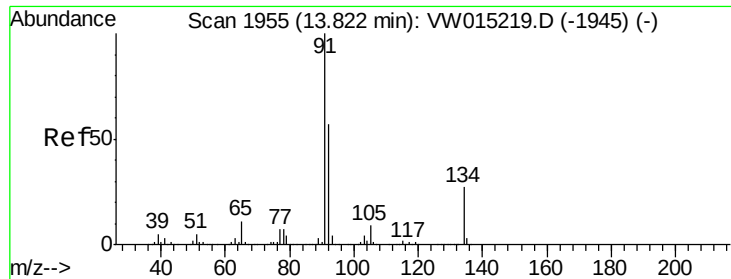
MMDadoda
 4/21/2020 10:01:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.740 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.4	61.3
148	65.3	31.5	94.5





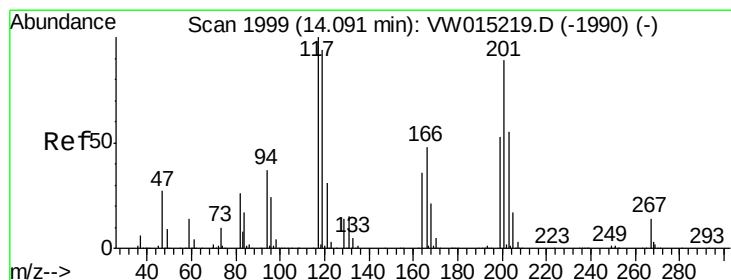
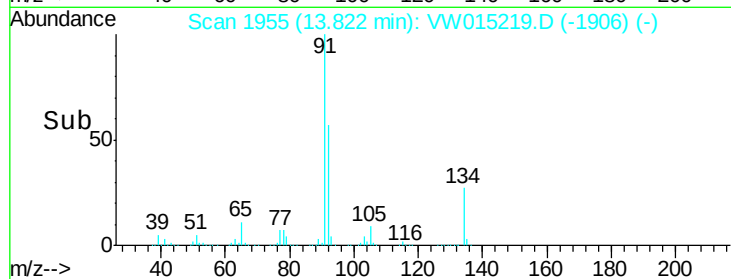
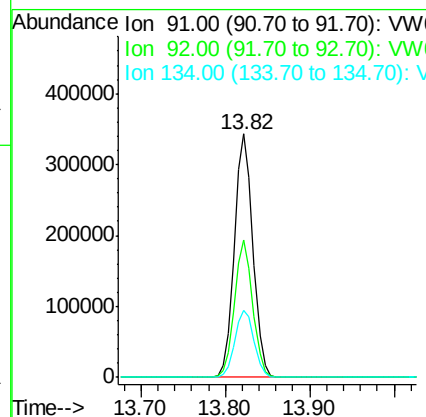
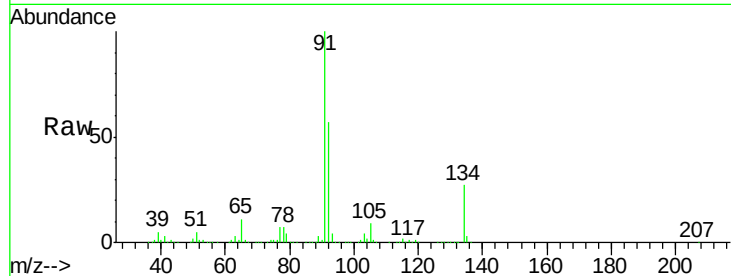
#89
n-Butylbenzene
Concen: 43.283 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.6	82.7
134	28.2	12.8	38.3

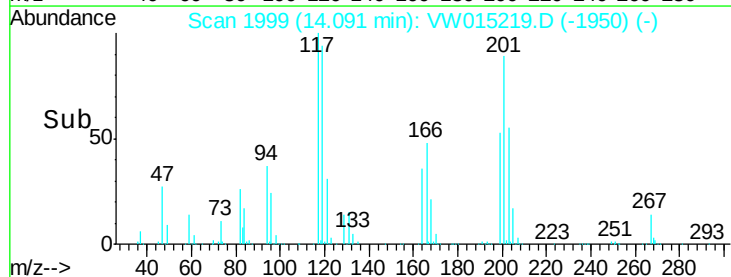
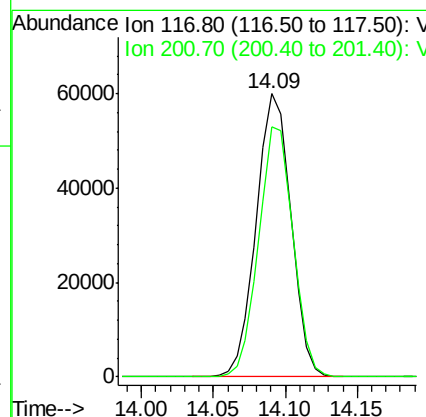
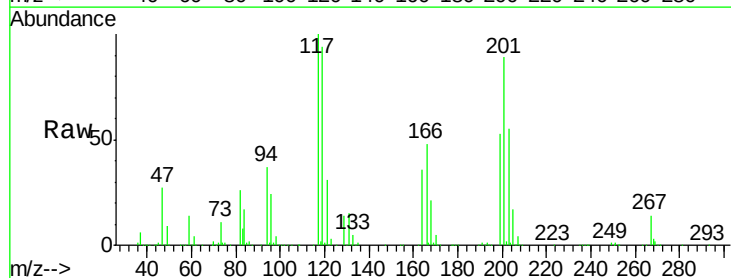
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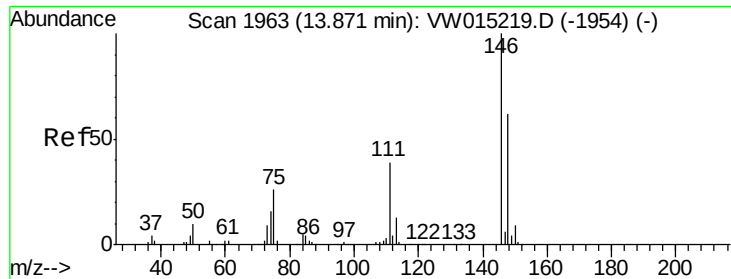
MMDadoda
4/21/2020 10:01:20 AM



#90
Hexachloroethane
Concen: 43.545 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	33.6	100.6





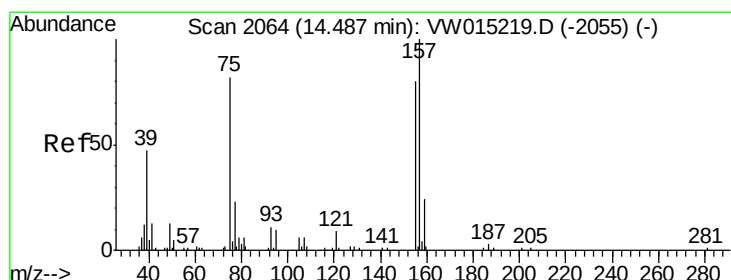
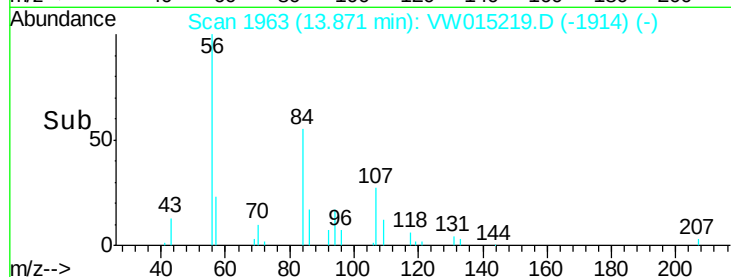
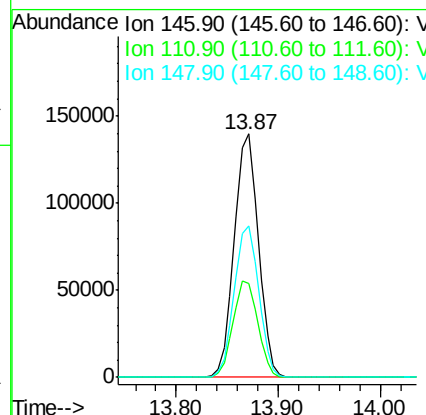
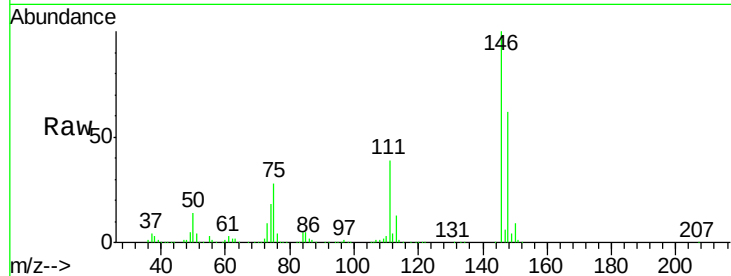
#91
 1,2-Dichlorobenzene
 Concen: 48.087 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	65.0
148	63.5	31.0	93.0

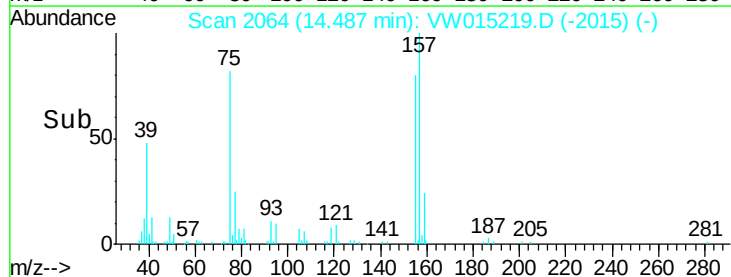
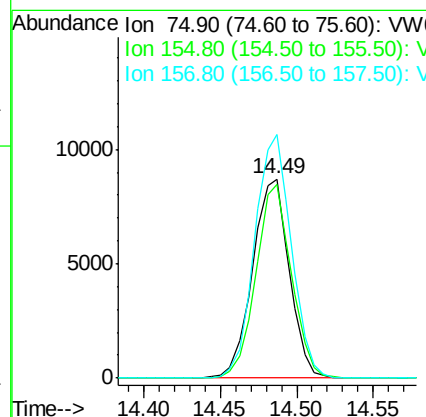
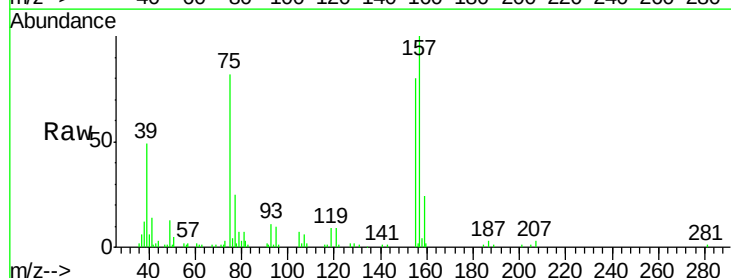
Manual Integrations
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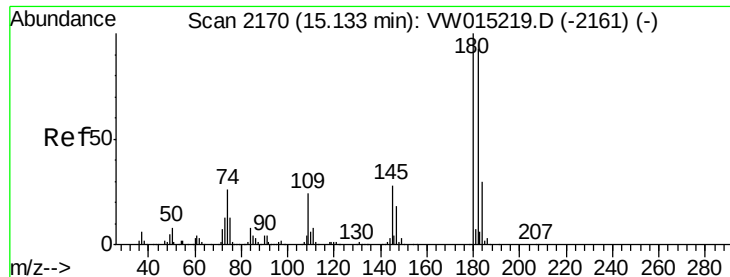
MMDadoda
 4/21/2020 10:01:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.399 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	41.6	124.9
157	122.1	53.8	161.2





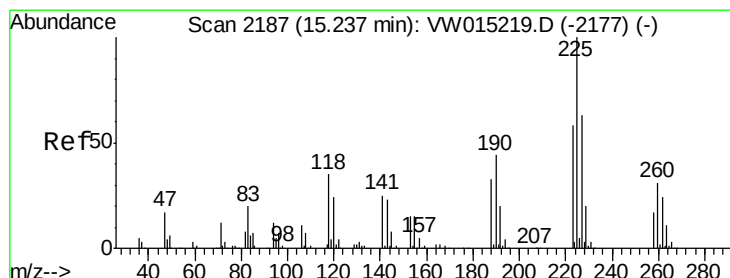
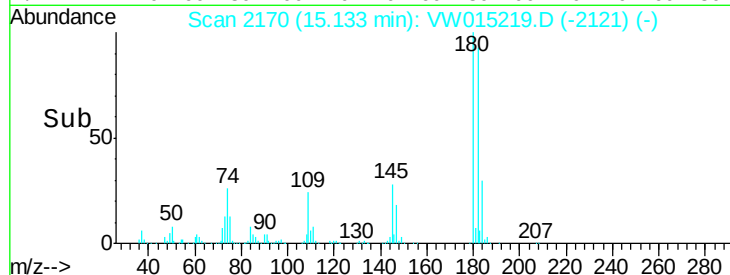
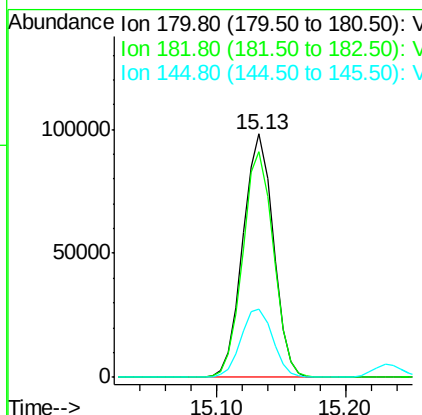
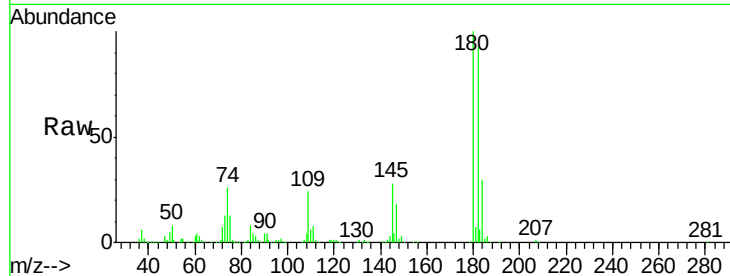
#93
 1,2,4-Trichlorobenzene
 Concen: 51.206 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160035		
182	93.7	47.1	141.4	
145	29.4	16.2	48.6	

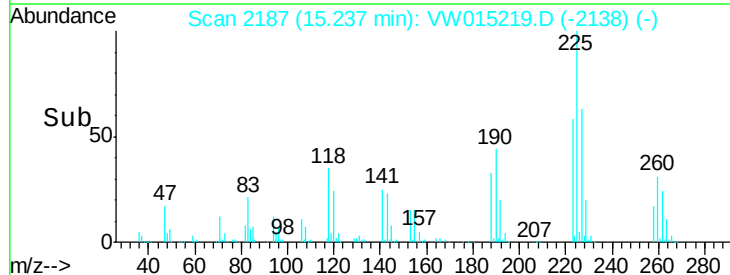
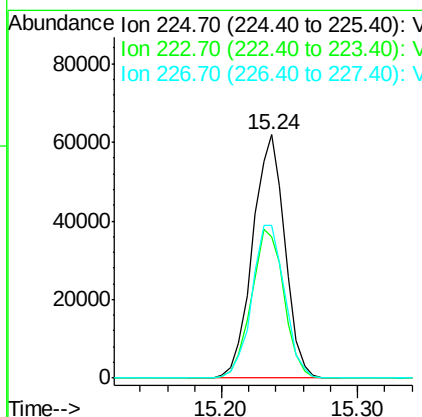
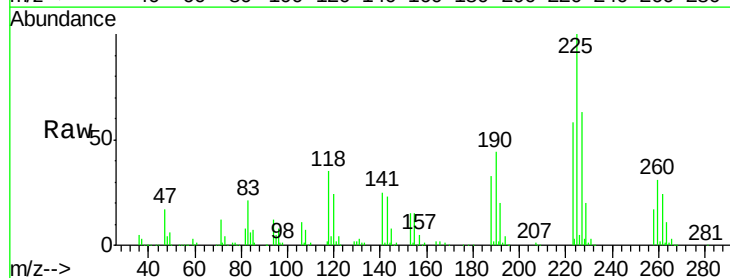
Manual Integrations
 APPROVED

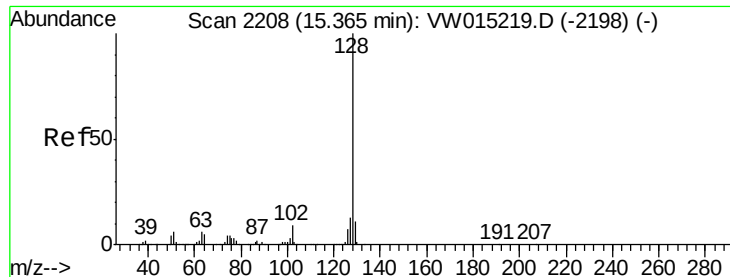
MMDadoda
 4/21/2020 10:01:20 AM



#94
 Hexachlorobutadiene
 Concen: 56.863 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015219.D
 Acq: 20 Apr 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102529		
223	62.1	31.0	93.0	
227	63.9	30.8	92.3	





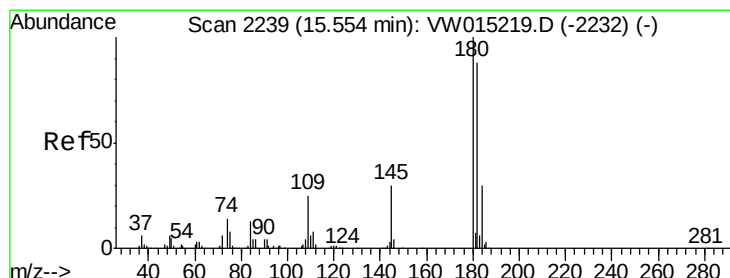
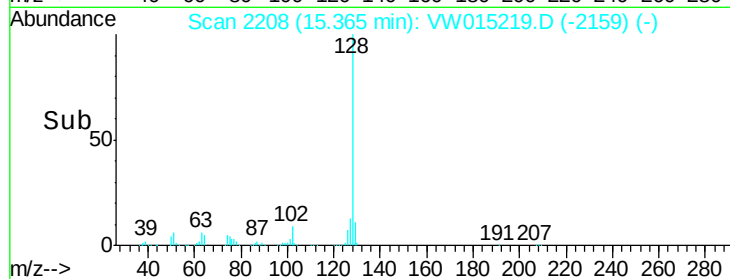
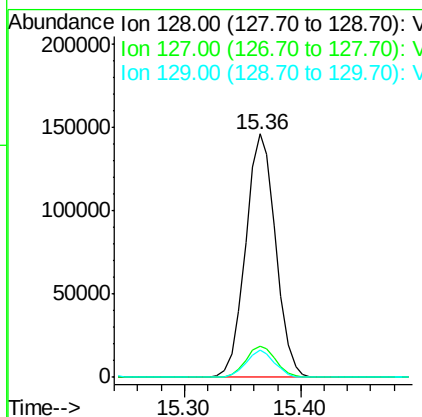
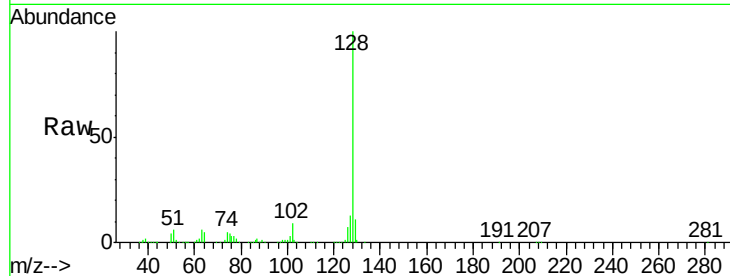
#95
Naphthalene
Concen: 43.333 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
260531	128	100			
	127	12.8		10.3	15.5
	129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.804 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015219.D
Acq: 20 Apr 2020 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130898	180	100			
	182	94.9		48.8	146.3
	145	31.1		17.2	51.6

