

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015216.D
 Acq On : 20 Apr 2020 12:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:06 AM

Quant Time: Apr 20 13:53:18 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	255759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	10956	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
35) Dibromofluoromethane	7.89	113	10105	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
50) Toluene-d8	10.32	98	46522	5.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.30%	
62) 4-Bromofluorobenzene	12.62	95	17436	6.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	9384	7.694	ug/l	96
3) Chloromethane	2.22	50	10753	4.764	ug/l	100
4) Vinyl Chloride	2.36	62	12569	4.729	ug/l	99
5) Bromomethane	2.78	94	9636	6.887	ug/l	92
6) Chloroethane	2.93	64	8861	6.759	ug/l	97
7) Trichlorofluoromethane	3.27	101	17990	10.564	ug/l	98
8) Diethyl Ether	3.70	74	5034	3.834	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11483	4.437	ug/l	90
10) Methyl Iodide	4.28	142	8529	2.207	ug/l	97
11) Tert butyl alcohol	5.17	59	5379	29.962	ug/l #	80
12) 1,1-Dichloroethene	4.04	96	10916	4.095	ug/l	96
13) Acrolein	3.90	56	2390	12.805	ug/l	98
14) Allyl chloride	4.68	41	14317	3.631	ug/l	91
15) Acrylonitrile	5.38	53	9666	17.543	ug/l	97
16) Acetone	4.14	43	8824	20.486	ug/l	99
17) Carbon Disulfide	4.38	76	31756	3.914	ug/l	98
18) Methyl Acetate	4.68	43	5741	4.359	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	23884	6.842	ug/l	97
20) Methylene Chloride	4.92	84	13610	4.563	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	12233	4.350	ug/l	92
22) Diisopropyl ether	6.32	45	27020	3.398	ug/l	94
23) Vinyl Acetate	6.26	43	75091	16.260	ug/l	95
24) 1,1-Dichloroethane	6.22	63	18874	3.992	ug/l	97
25) 2-Butanone	7.17	43	11517	16.708	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	21247	6.752	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	13176	4.346	ug/l	98
28) Bromochloromethane	7.52	49	7352	3.721	ug/l	84
29) Tetrahydrofuran	7.54	42	7079	15.667	ug/l #	82
30) Chloroform	7.68	83	20628	4.454	ug/l	100
31) Cyclohexane	7.95	56	22788	4.509	ug/l #	70
32) 1,1,1-Trichloroethane	7.87	97	20042	5.137	ug/l	98
36) 1,1-Dichloropropene	8.09	75	16830	5.141	ug/l	98
37) Ethyl Acetate	7.26	43	4687	3.440	ug/l #	90
38) Carbon Tetrachloride	8.07	117	18024	5.989	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22417	5.096	ug/l	97
40) Benzene	8.32	78	43685	4.700	ug/l	98
41) Methacrylonitrile	7.49	41	3417	4.239	ug/l	93
42) 1,2-Dichloroethane	8.40	62	12477	5.289	ug/l	96
43) Isopropyl Acetate	8.43	43	10504	3.945	ug/l	96
44) Trichloroethene	9.09	130	13207	5.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	10007	4.376	ug/l	99
46) Dibromomethane	9.46	93	5825	5.096	ug/l	90
47) Bromodichloromethane	9.65	83	15643	5.279	ug/l	98
48) Methyl methacrylate	9.44	41	5172	4.153	ug/l #	85
49) 1,4-Dioxane	9.46	88	1466	80.846	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	25193	17.890	ug/l	97
52) Toluene	10.39	92	30586	5.141	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	15311	5.078	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	17643	4.851	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	8144	5.029	ug/l	96
56) Ethyl methacrylate	10.65	69	10186	4.564	ug/l	94
57) 1,3-Dichloropropane	10.93	76	13269	4.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	24908	22.551	ug/l #	89
59) 2-Hexanone	10.97	43	17414	19.704	ug/l	97
60) Dibromochloromethane	11.13	129	10571	5.471	ug/l	98
61) 1,2-Dibromoethane	11.24	107	7868	5.041	ug/l	97
64) Tetrachloroethene	10.87	164	12575	6.502	ug/l	91
65) Chlorobenzene	11.66	112	33034	5.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	11608	5.421	ug/l	98
67) Ethyl Benzene	11.73	91	62058	5.306	ug/l	99
68) m/p-Xylenes	11.84	106	47482	10.697	ug/l	99
69) o-Xylene	12.16	106	22490	5.406	ug/l	98
70) Styrene	12.18	104	36843	5.242	ug/l	98
71) Bromoform	12.35	173	6339	5.961	ug/l #	95
73) Isopropylbenzene	12.46	105	62365	4.919	ug/l	100
74) N-amyl acetate	12.27	43	9981	3.386	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	8803	4.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6782m	4.660	ug/l	
77) Bromobenzene	12.74	156	14151	5.387	ug/l	85
78) n-propylbenzene	12.80	91	71862	4.700	ug/l	96
79) 2-Chlorotoluene	12.89	91	39694	4.696	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	52961	4.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2954	3.927	ug/l	90
82) 4-Chlorotoluene	12.99	91	42361	4.743	ug/l	99
83) tert-Butylbenzene	13.21	119	46276	4.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	51627	4.865	ug/l	98
85) sec-Butylbenzene	13.38	105	63967	4.862	ug/l	98
86) p-Isopropyltoluene	13.50	119	58210	4.959	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27921	5.335	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	27090	5.218	ug/l	95
89) n-Butylbenzene	13.82	91	52070	4.487	ug/l	97
90) Hexachloroethane	14.09	117	11180	4.953	ug/l	82
91) 1,2-Dichlorobenzene	13.87	146	23706	5.095	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1446	4.204	ug/l	86

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MSVOA_W
ClientSampleId :
VSTDICC005

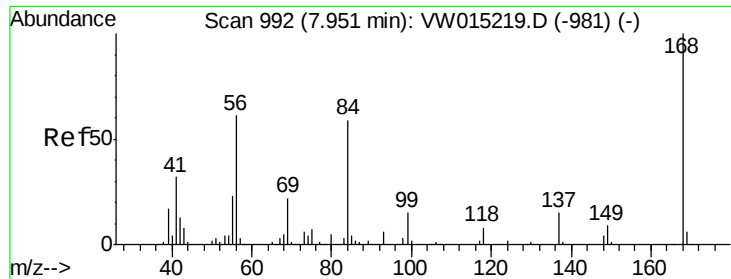
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	15606	5.083	ug/l	98
94) Hexachlorobutadiene	15.24	225	11032	6.228	ug/l	98
95) Naphthalene	15.36	128	24489	4.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	12758	4.842	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 255759

Ion Ratio Lower Upper

168 100

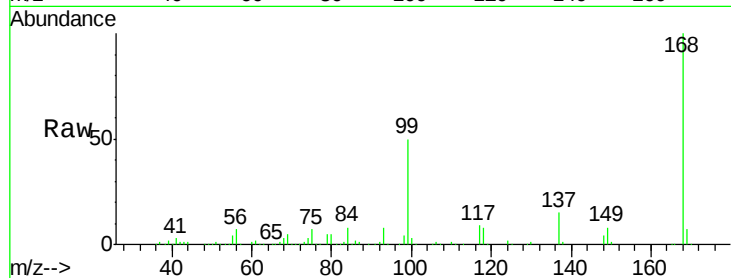
99 50.1 48.5 72.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

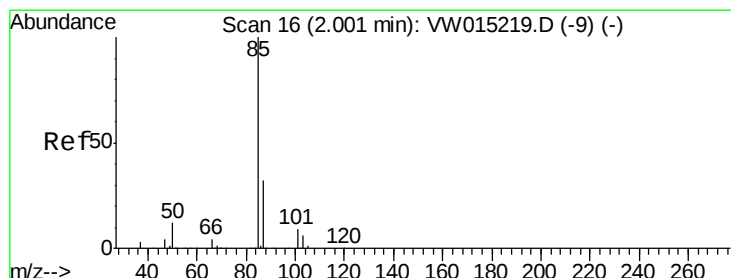
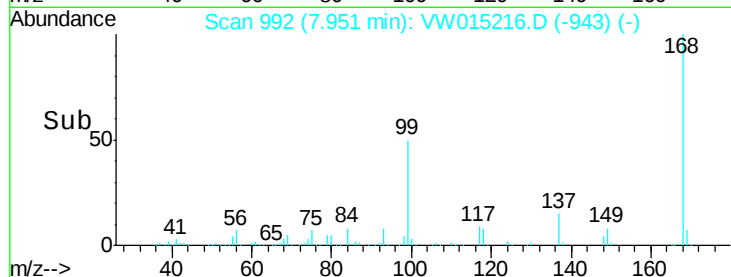
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.694 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW015216.D

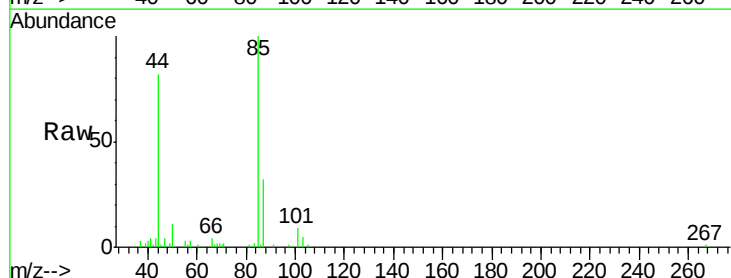
Acq: 20 Apr 2020 12:01

Tgt Ion: 85 Resp: 9384

Ion Ratio Lower Upper

85 100

87 32.1 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

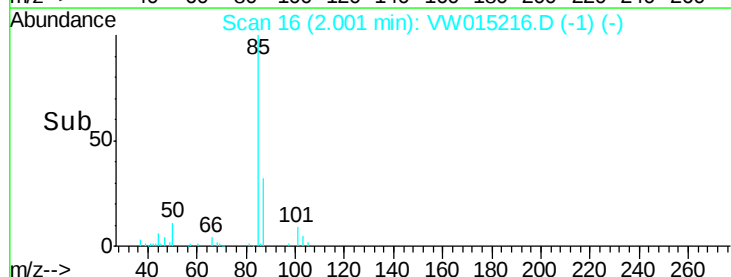
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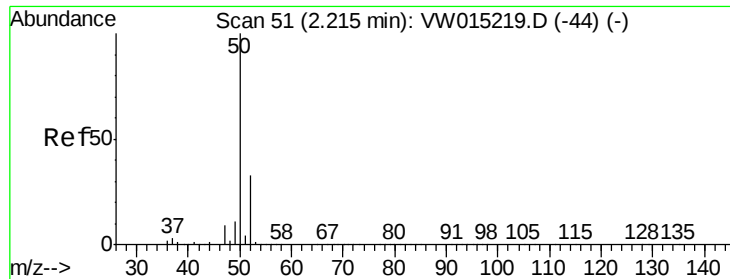
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.764 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10753

Ion Ratio Lower Upper

50 100

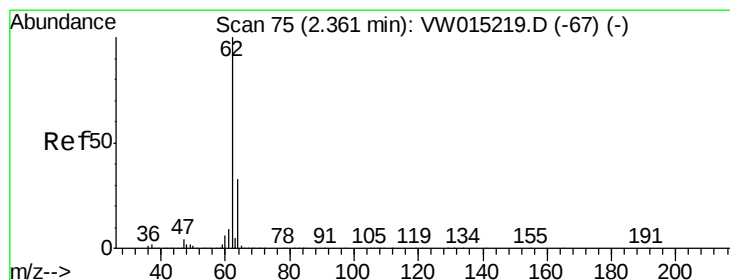
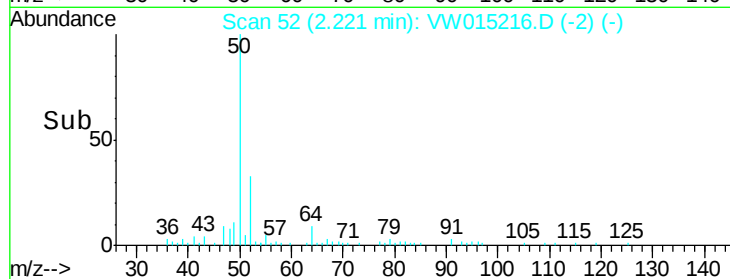
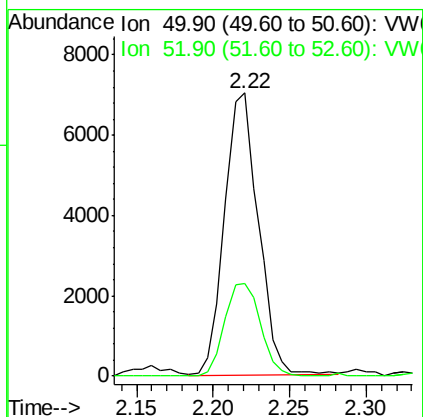
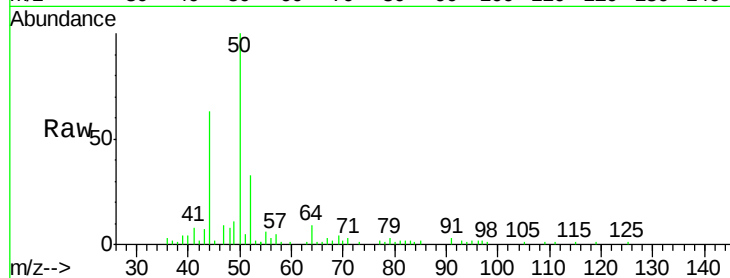
52 32.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 4.729 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015216.D

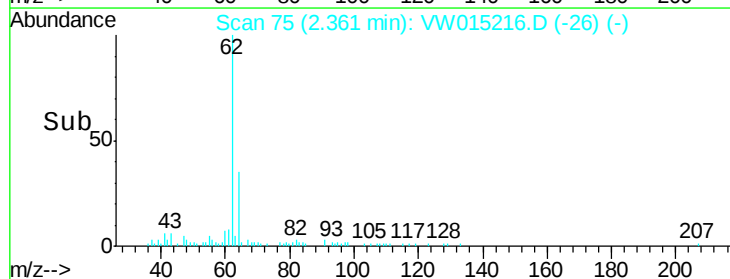
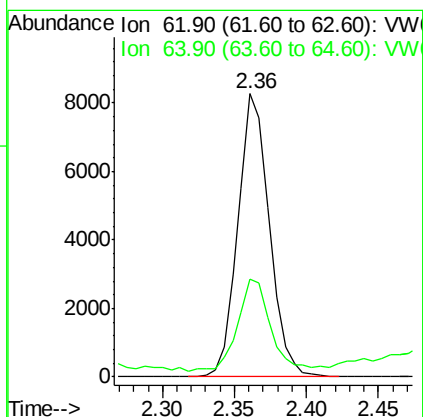
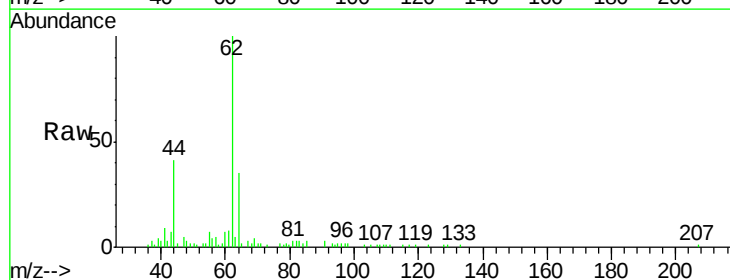
Acq: 20 Apr 2020 12:01

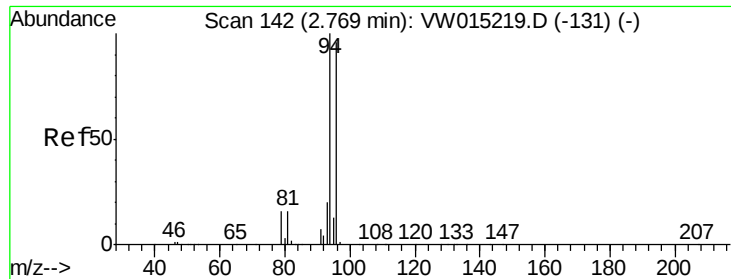
Tgt Ion: 62 Resp: 12569

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 6.887 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9636

Ion Ratio Lower Upper

94 100

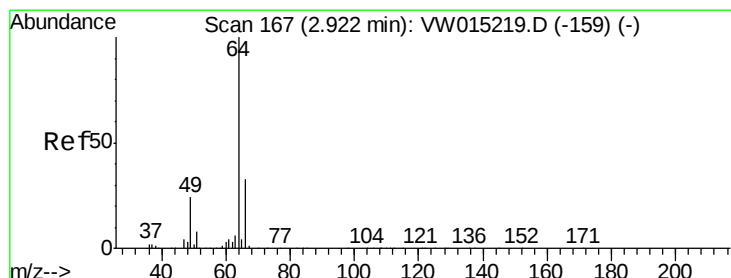
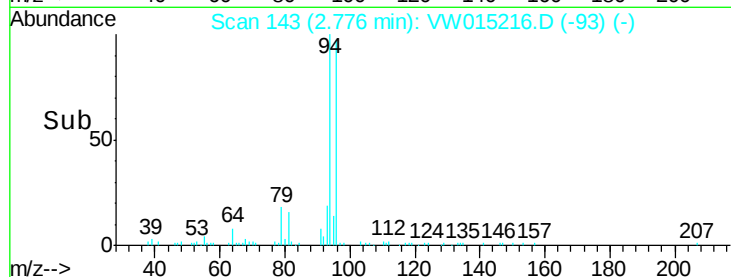
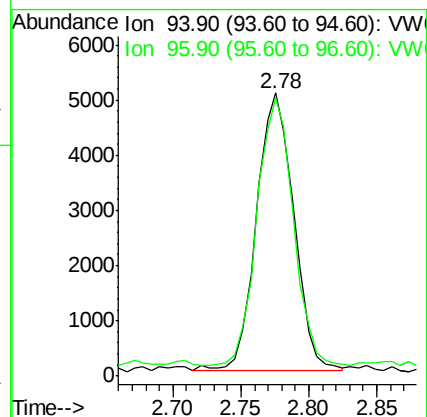
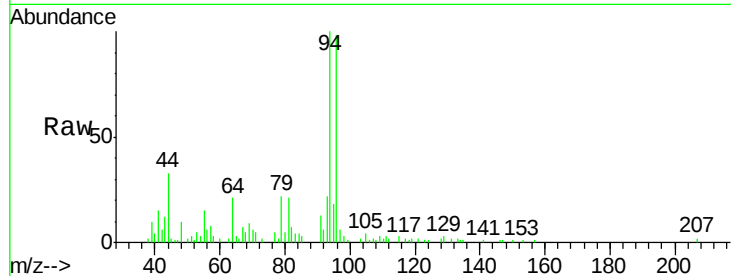
96 95.8 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 6.759 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015216.D

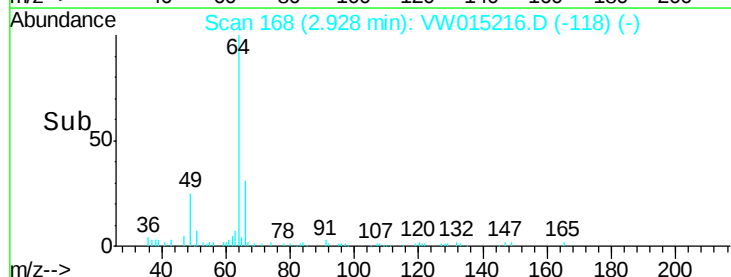
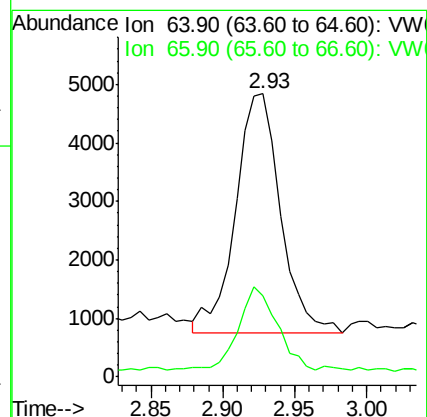
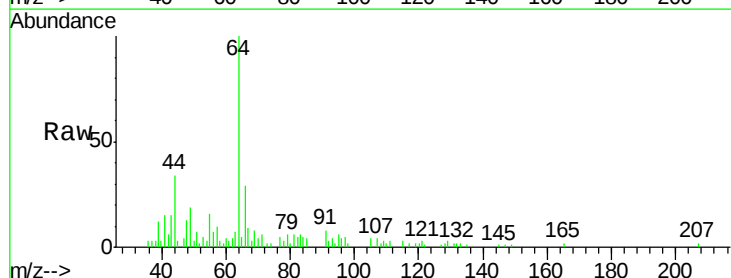
Acq: 20 Apr 2020 12:01

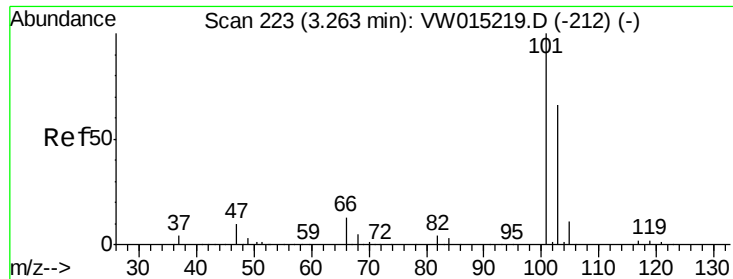
Tgt Ion: 64 Resp: 8861

Ion Ratio Lower Upper

64 100

66 30.5 25.8 38.6





#7

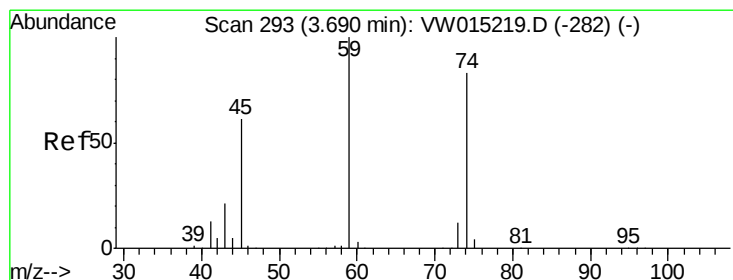
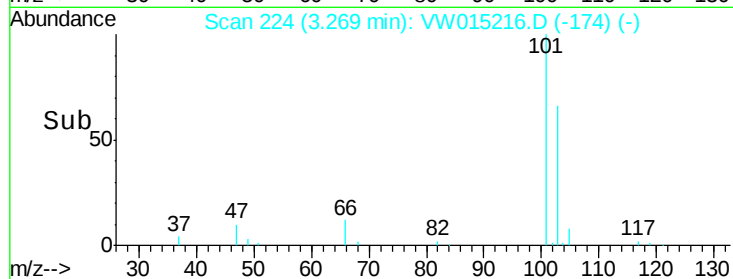
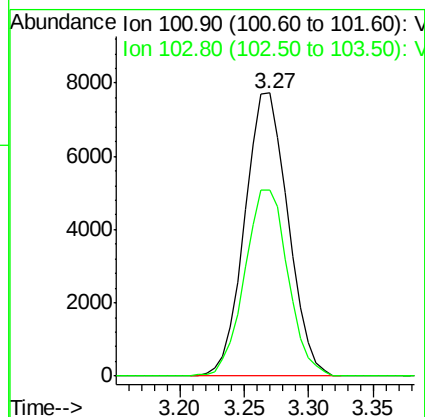
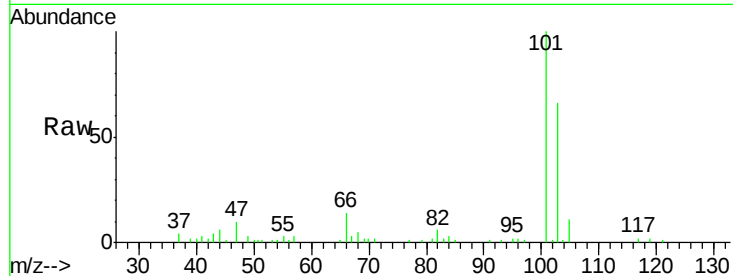
Trichlorofluoromethane
Concen: 10.564 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 17990
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9

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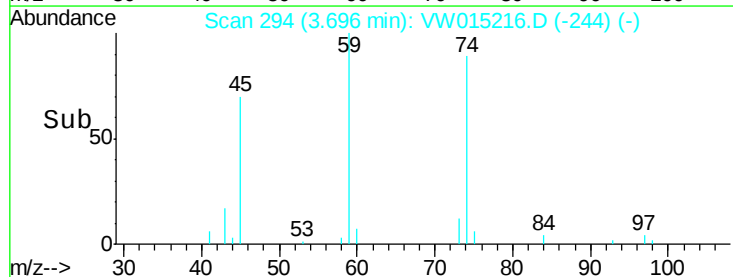
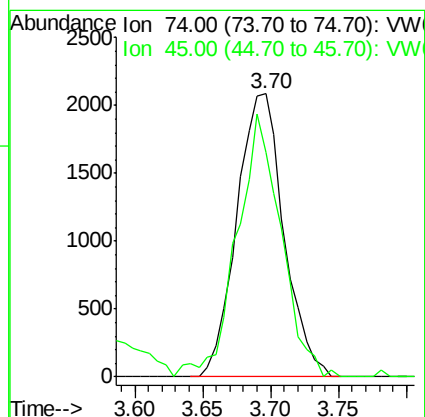
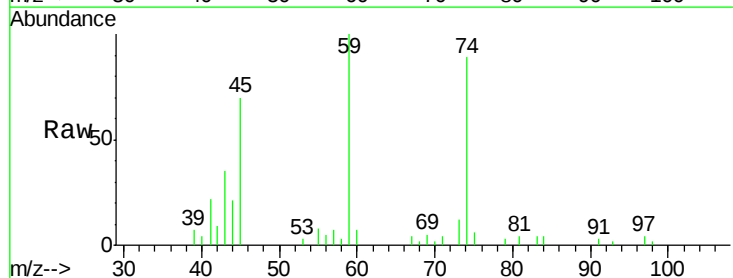
MMDadoda
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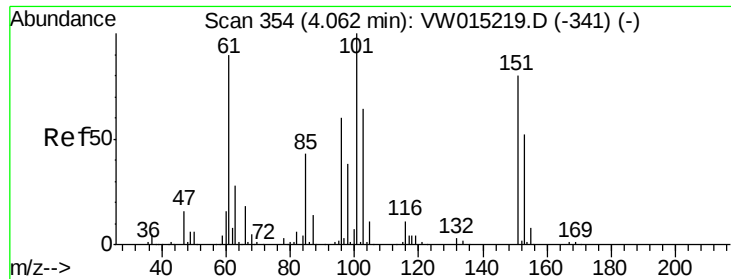


#8

Diethyl Ether
Concen: 3.834 ug/l
RT: 3.70 min Scan# 294
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion: 74 Resp: 5034
Ion Ratio Lower Upper
74 100
45 87.2 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.437 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

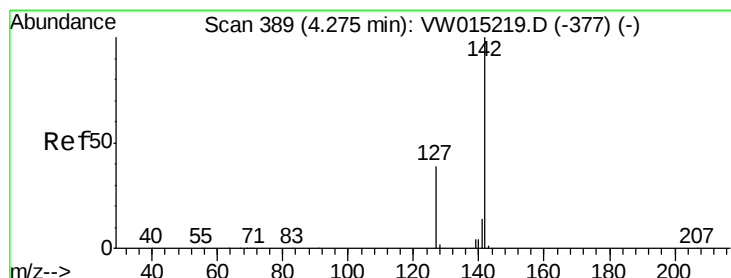
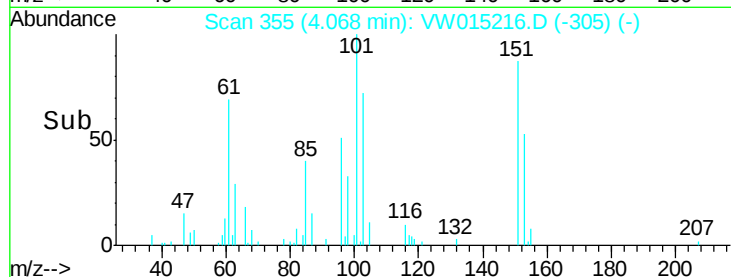
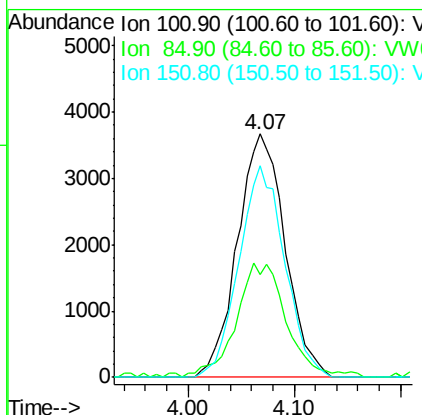
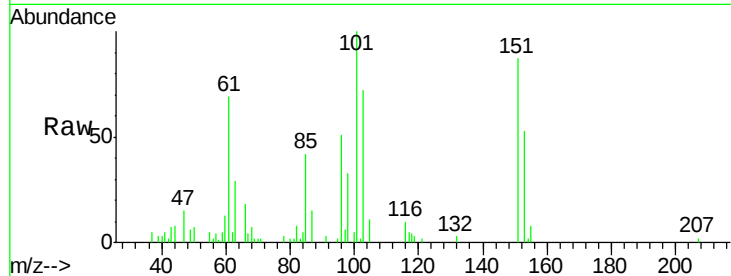
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11483
Ion Ratio	Lower	Upper	
101	100		
85	49.1	35.3	52.9
151	83.7	59.3	88.9

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#10

Methyl Iodide

Concen: 2.207 ug/l

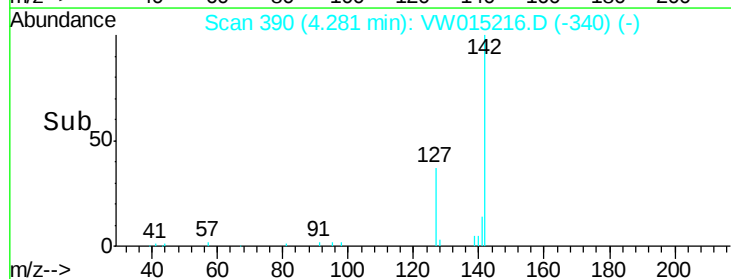
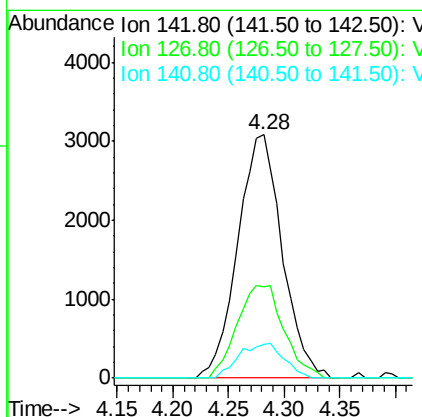
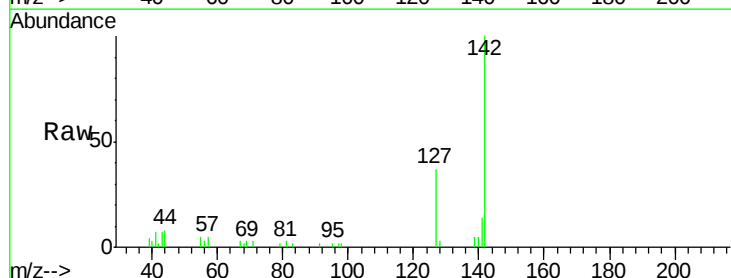
RT: 4.28 min Scan# 390

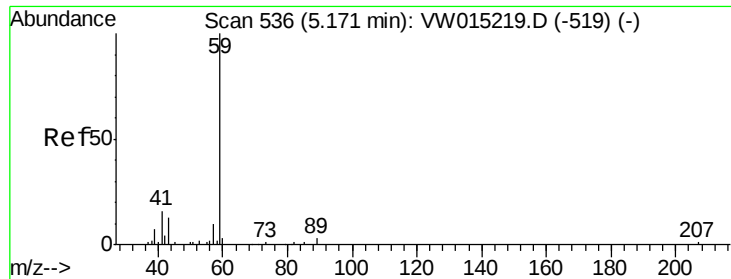
Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion:	142	Resp:	8529
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.9	50.9
141	14.4	11.4	17.2





#11

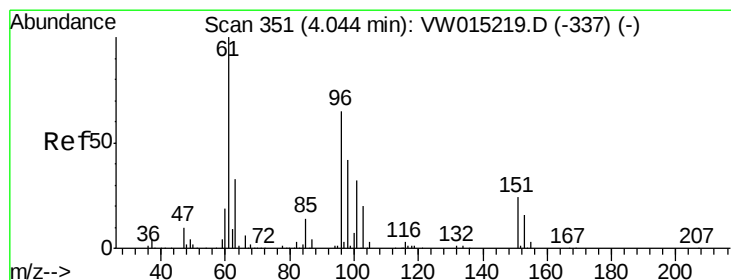
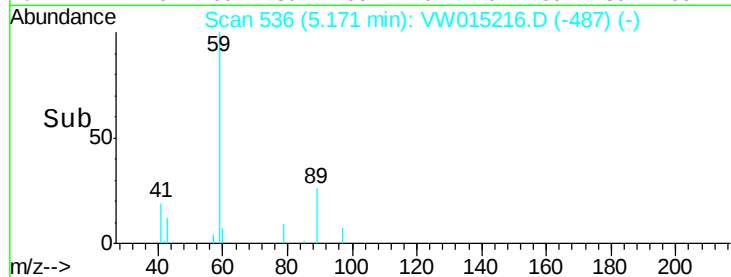
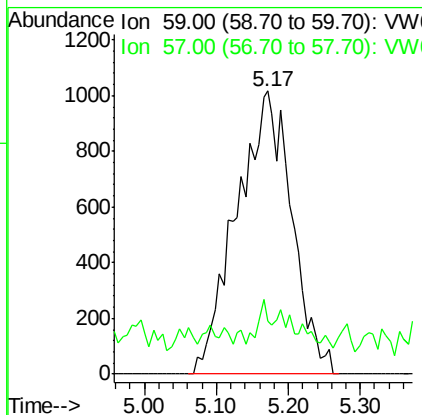
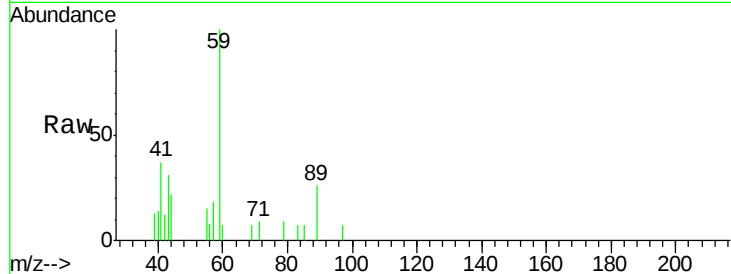
Tert butyl alcohol
Concen: 29.962 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	59	Resp	5379
Ion Ratio	100	Lower	Upper
57	3.2	8.4	12.6#

Manual Integrations
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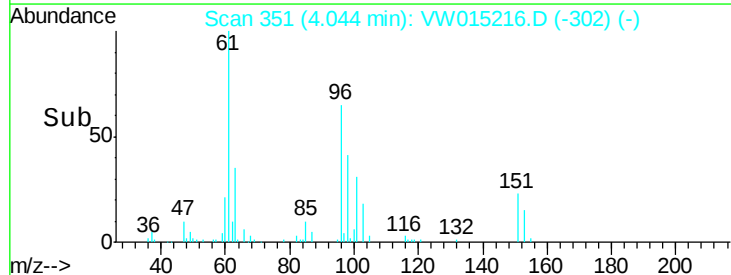
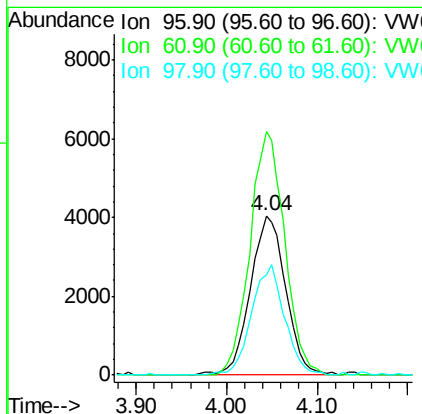
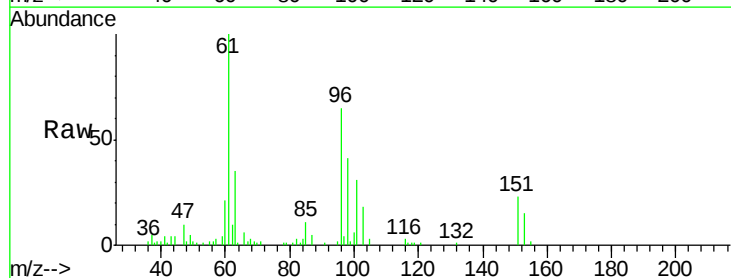
MMDadoda
4/21/2020 10:01:06 AM

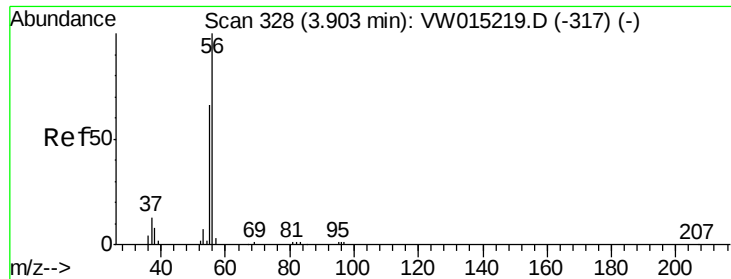


#12

1,1-Dichloroethene
Concen: 4.095 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	96	Resp	10916
Ion Ratio	100	Lower	Upper
61	152.7	127.0	190.4
98	62.8	51.0	76.4





#13

Acrolein

Concen: 12.805 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2390

Ion Ratio Lower Upper

56 100

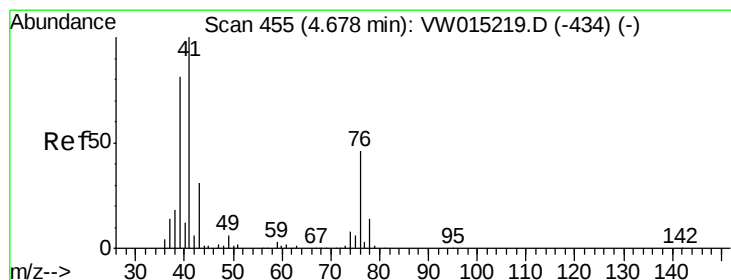
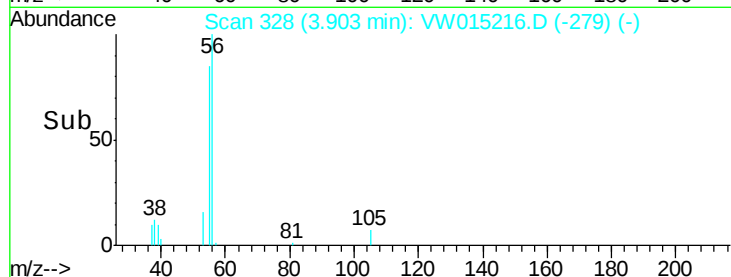
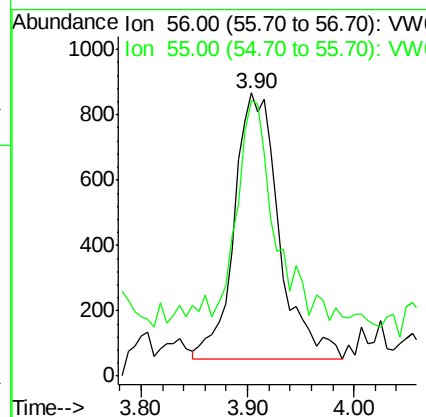
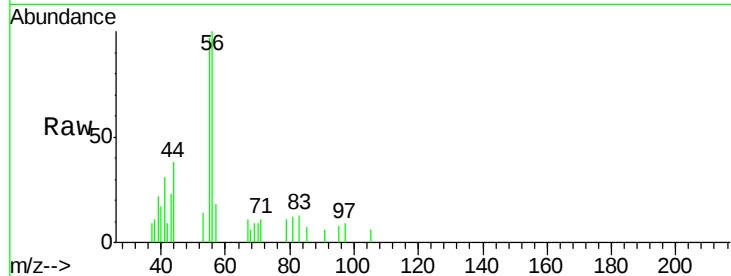
55 68.7 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 3.631 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

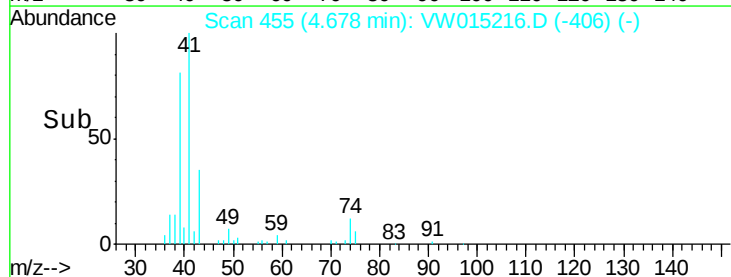
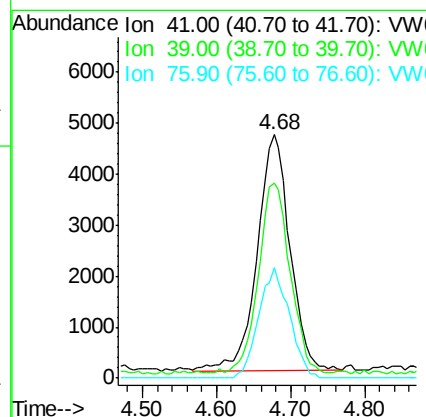
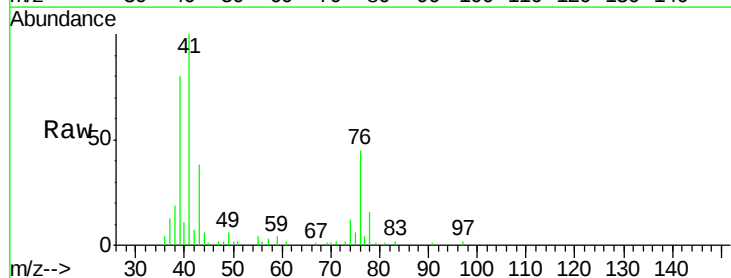
Tgt Ion: 41 Resp: 14317

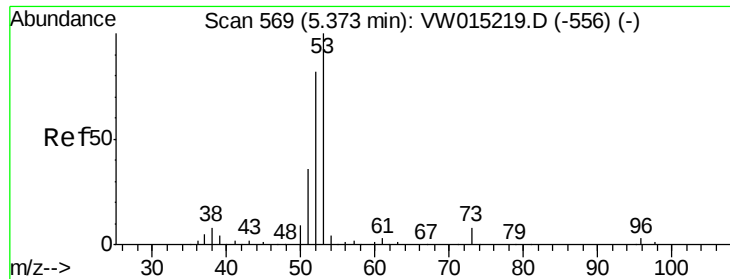
Ion Ratio Lower Upper

41 100

39 76.5 54.0 81.0

76 43.7 31.8 47.6





#15

Acrylonitrile

Concen: 17.543 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

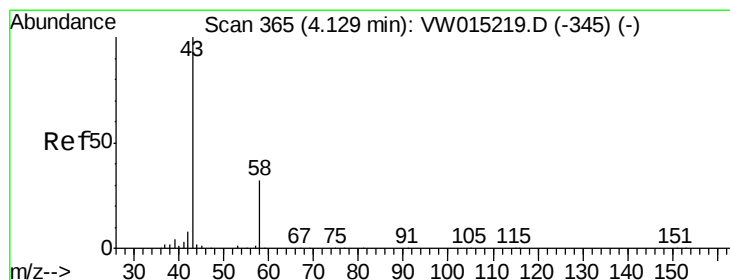
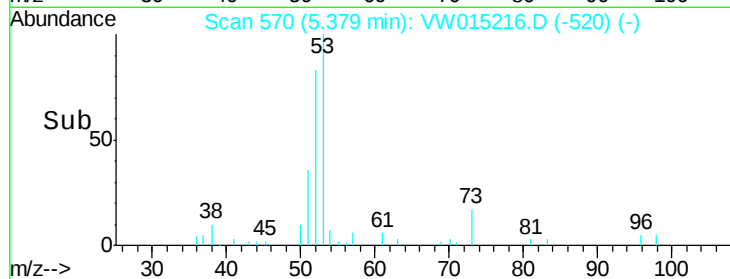
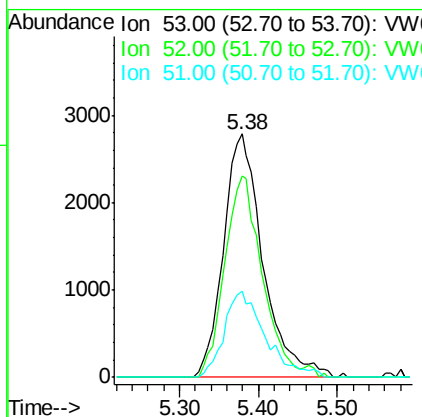
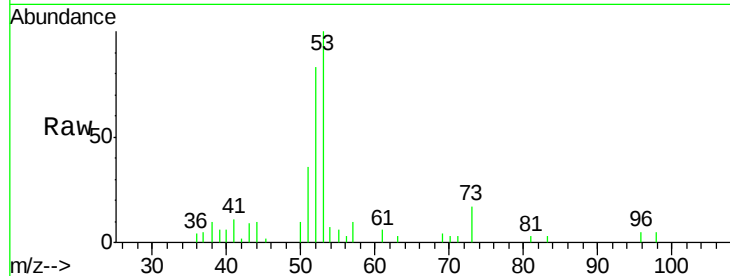
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	9666
Ion	Ratio	Lower	Upper
53	100		
52	78.4	65.2	97.8
51	36.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 20.486 ug/l

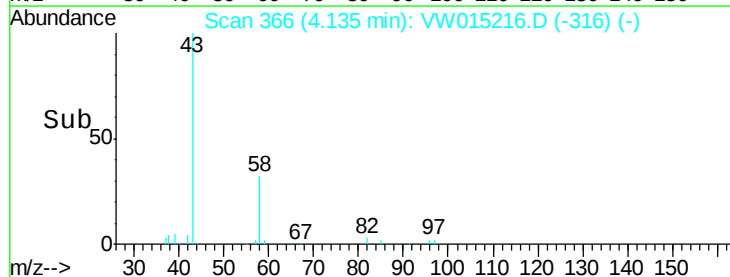
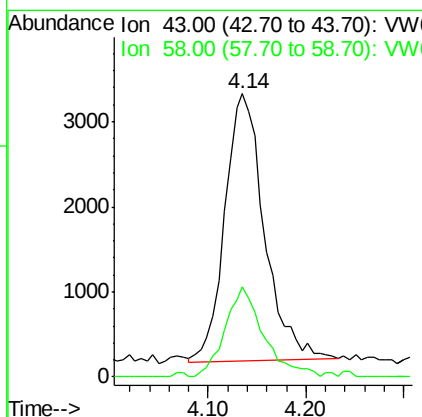
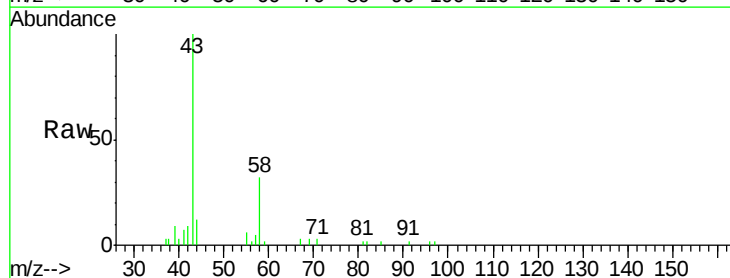
RT: 4.14 min Scan# 366

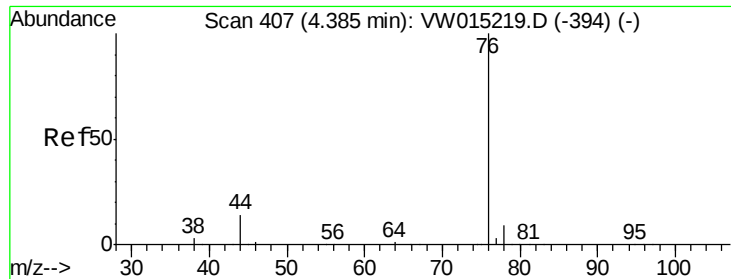
Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion:	43	Resp:	8824
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.0	40.4





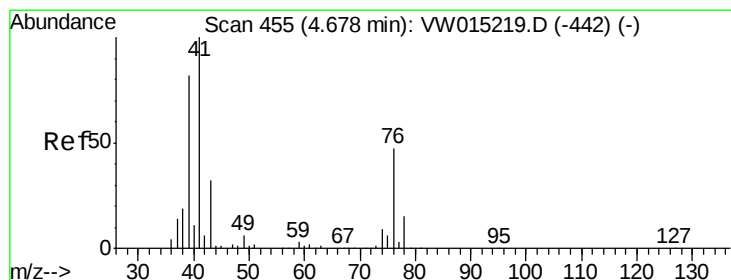
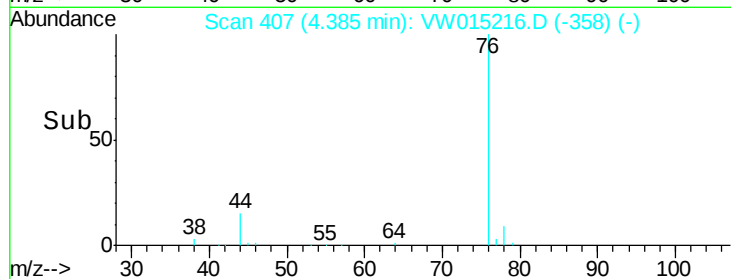
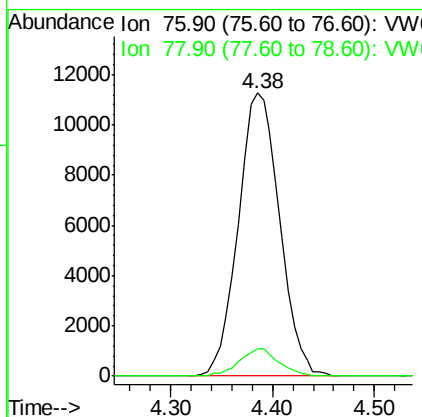
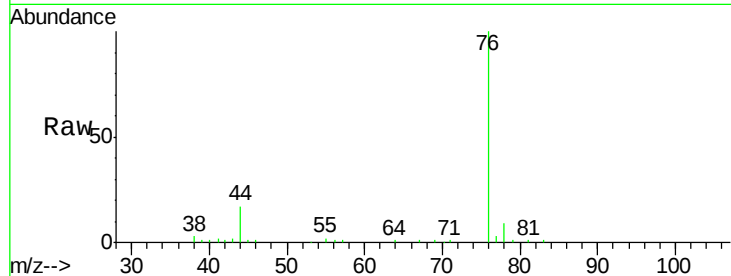
#17
Carbon Disulfide
Concen: 3.914 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

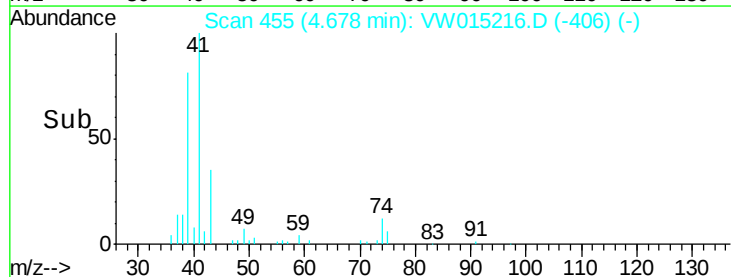
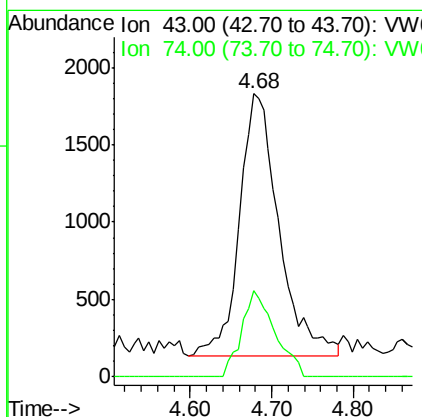
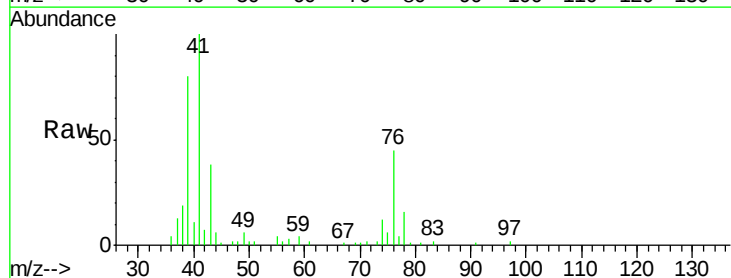
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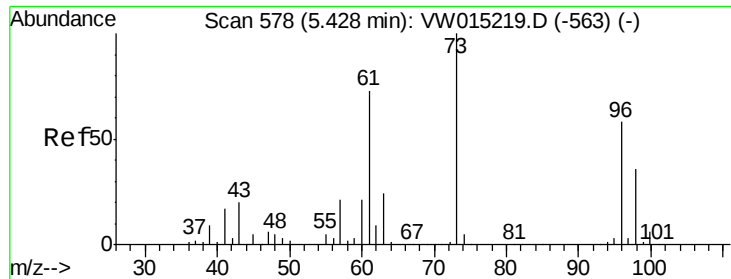
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#18
Methyl Acetate
Concen: 4.359 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	20.6	31.0





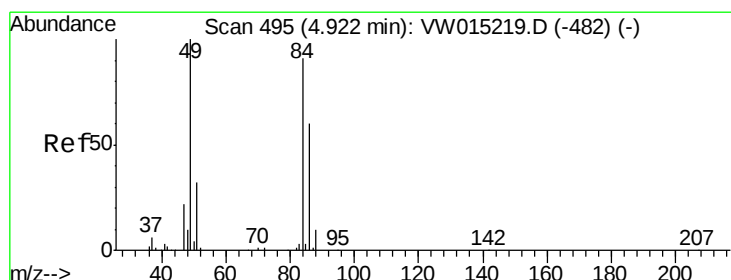
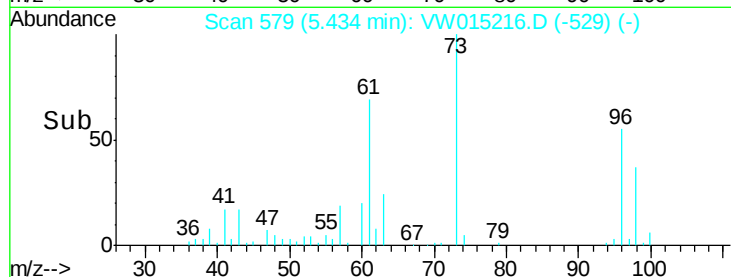
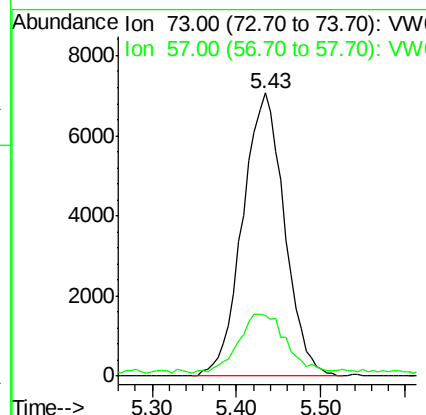
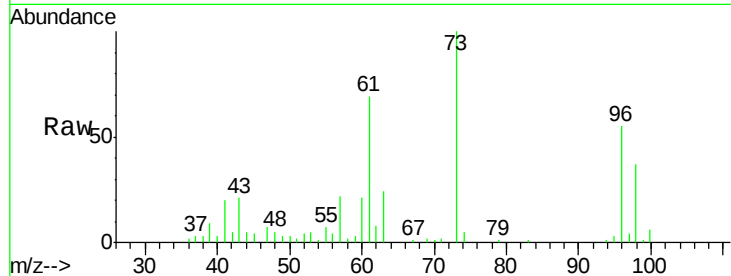
#19
Methvl tert-butvl Ether
Concen: 6.842 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 23884
Ion Ratio Lower Upper
73 100
57 20.6 17.8 26.6

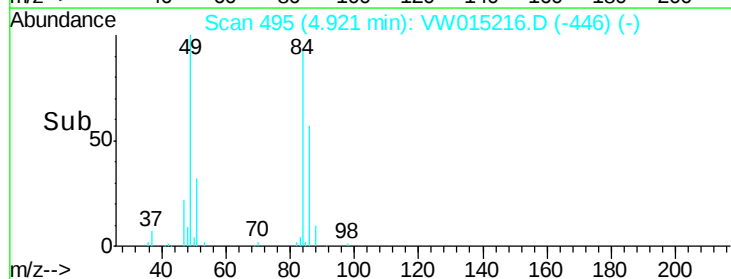
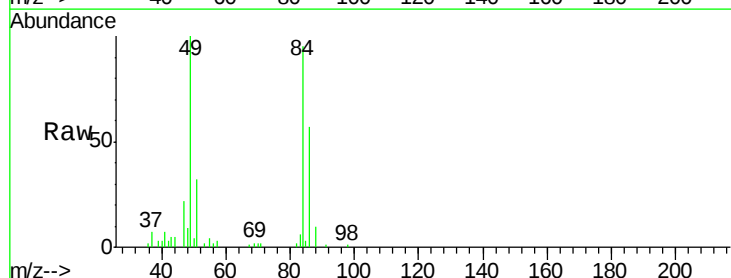
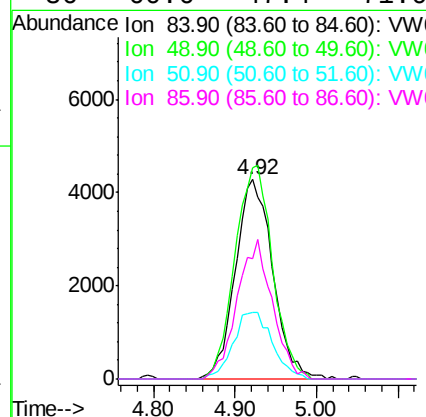
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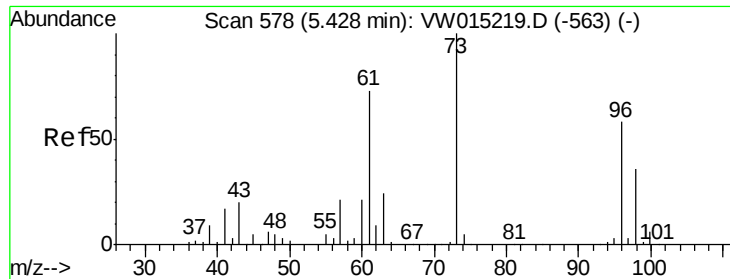
MMDadoda
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#20
Methylene Chloride
Concen: 4.563 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion: 84 Resp: 13610
Ion Ratio Lower Upper
84 100
49 105.7 95.4 143.0
51 33.3 29.8 44.8
86 60.6 47.4 71.0





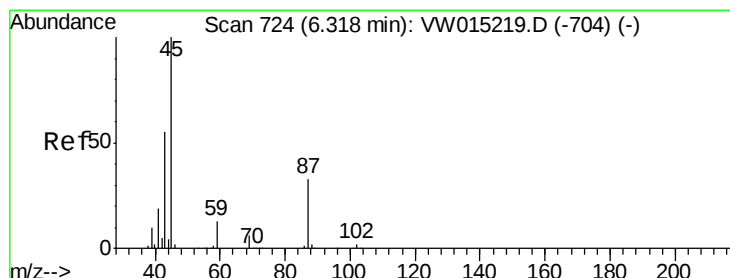
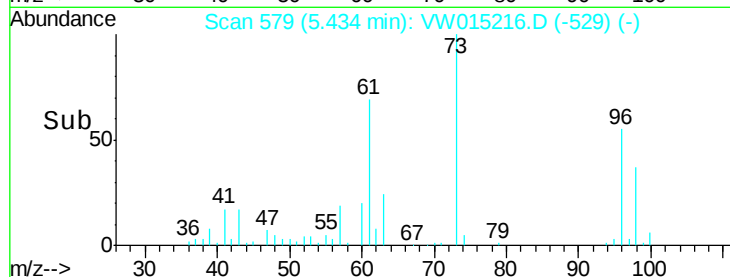
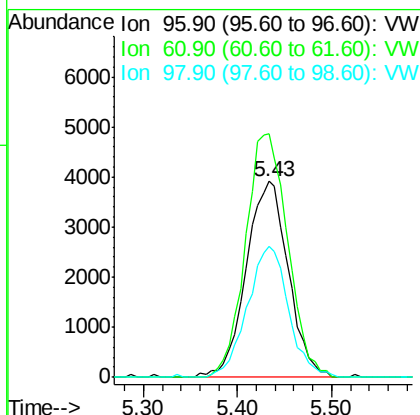
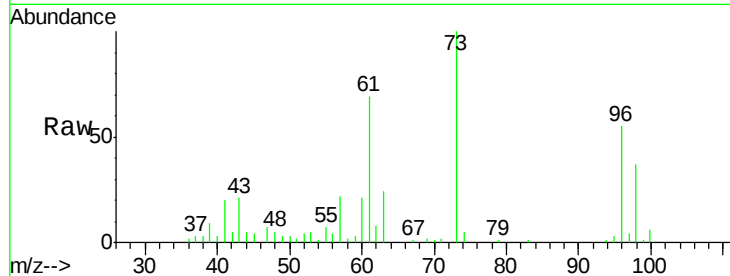
#21
trans-1,2-Dichloroethene
Concen: 4.350 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.3	107.8	161.6
98	67.1	50.2	75.2

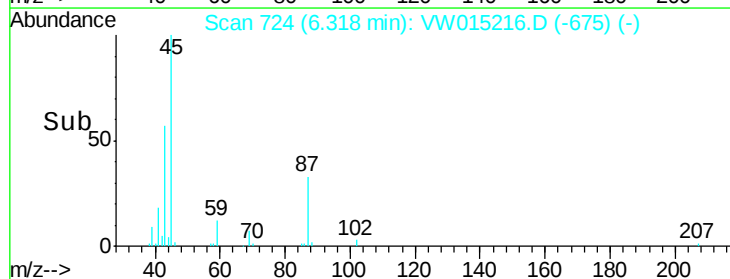
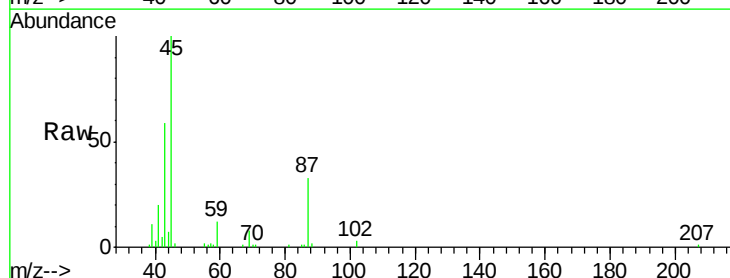
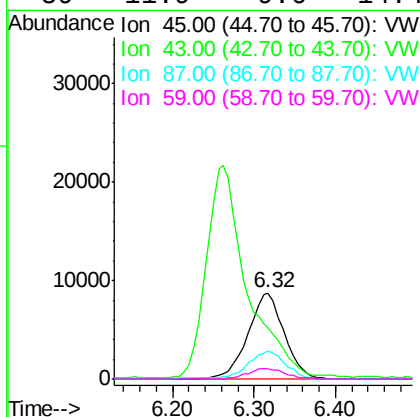
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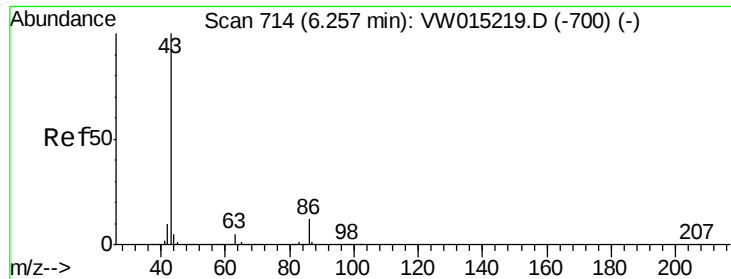
MMDadoda
4/21/2020 10:01:06 AM



#22
Diisopropyl ether
Concen: 3.398 ug/l
RT: 6.32 min Scan# 724
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	41.8	62.6
87	32.8	23.2	34.8
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 16.260 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 75091

Ion Ratio Lower Upper

43 100

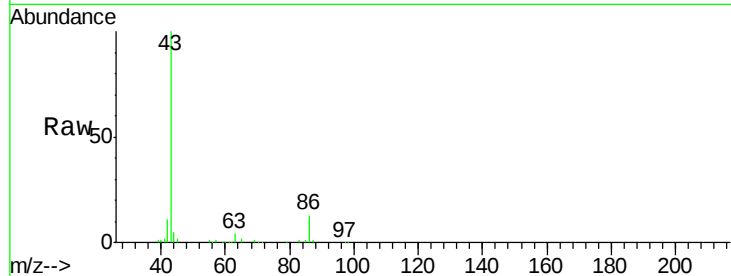
86 13.5 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

25000

20000

15000

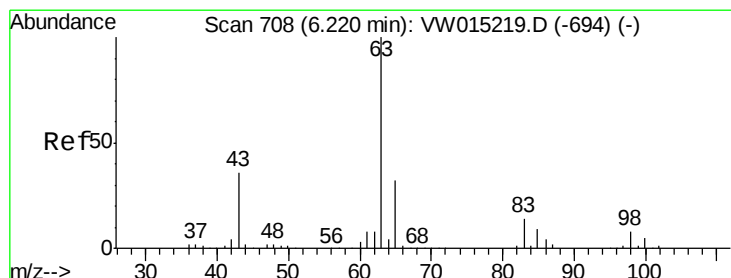
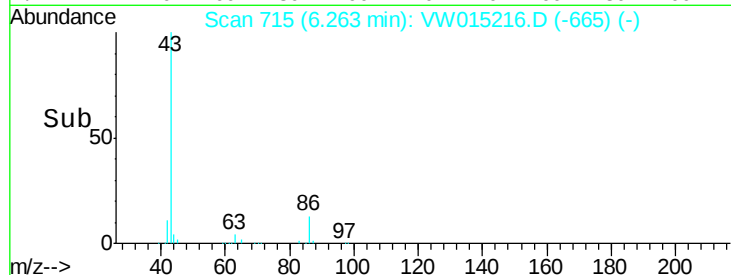
10000

5000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 3.992 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

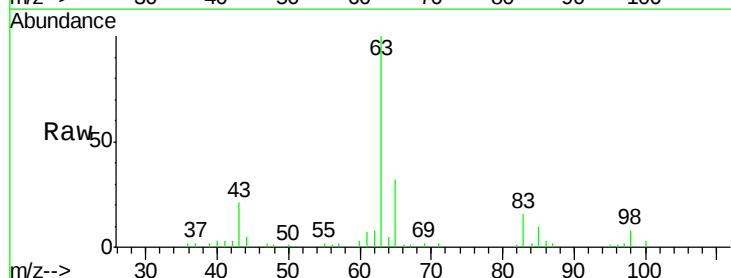
Tgt Ion: 63 Resp: 18874

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 3.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

8000

6000

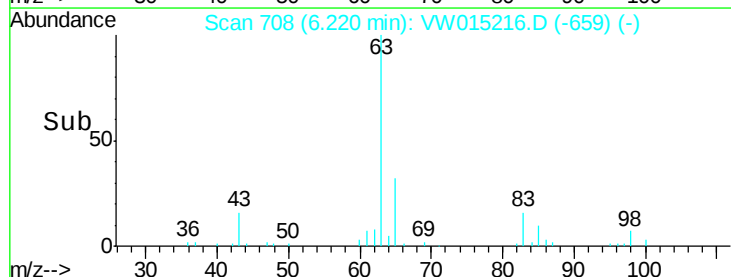
4000

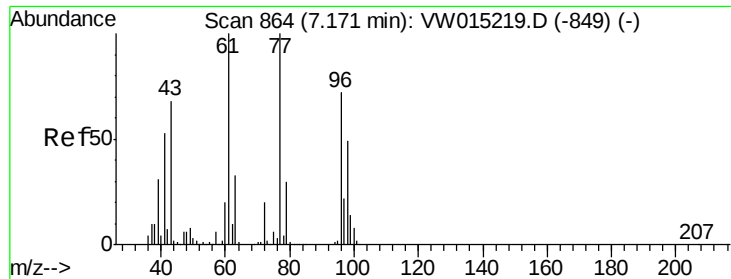
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 16.708 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 11517

Ion Ratio Lower Upper

43 100

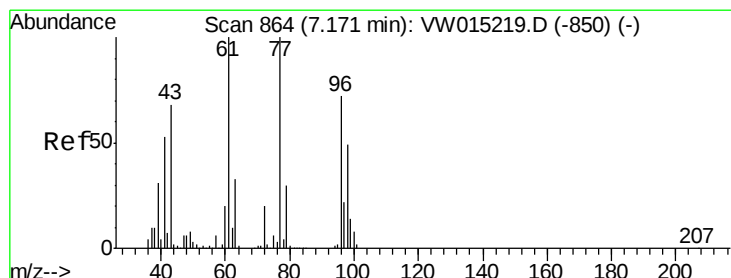
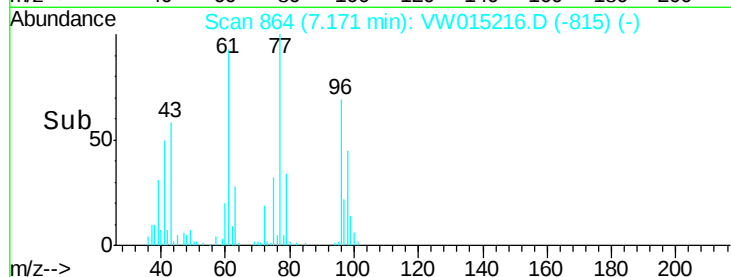
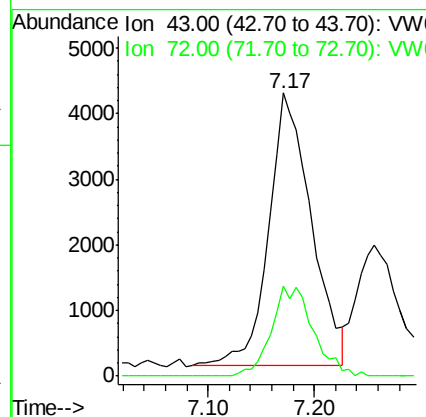
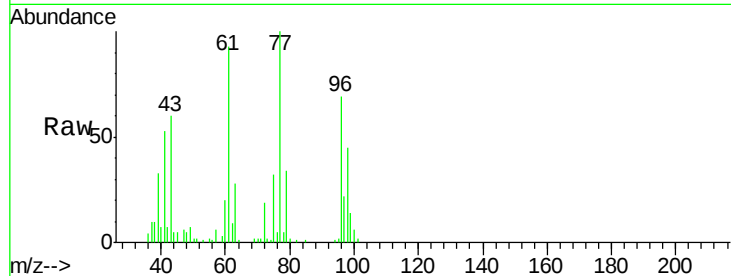
72 32.9 21.6 32.4#

Manual Integrations

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MMDadoda

4/21/2020 10:01:06 AM



#26

2,2-Dichloropropane

Concen: 6.752 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015216.D

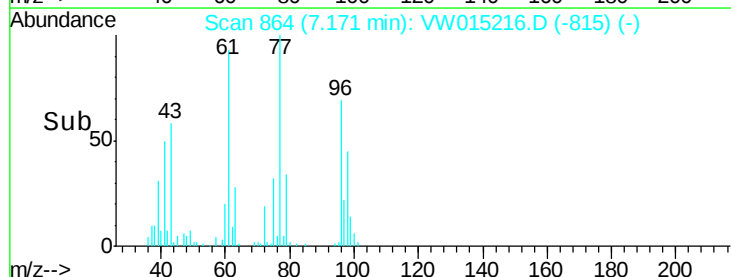
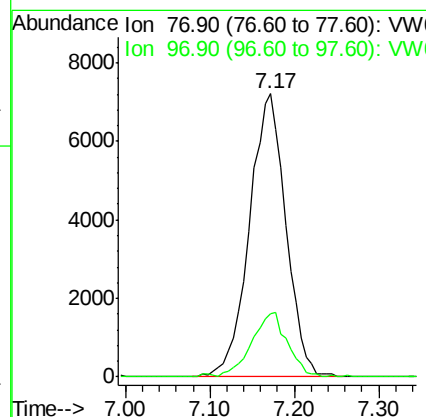
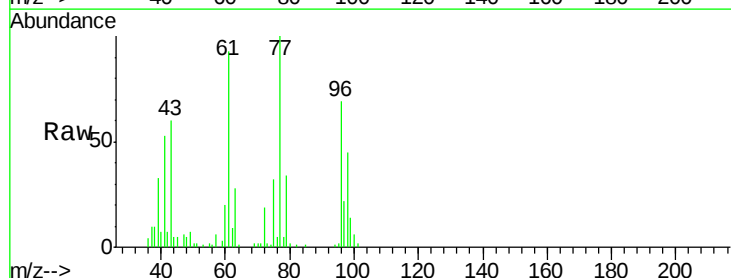
Acq: 20 Apr 2020 12:01

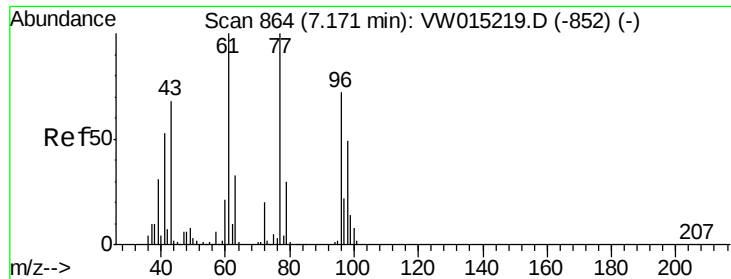
Tgt Ion: 77 Resp: 21247

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.5





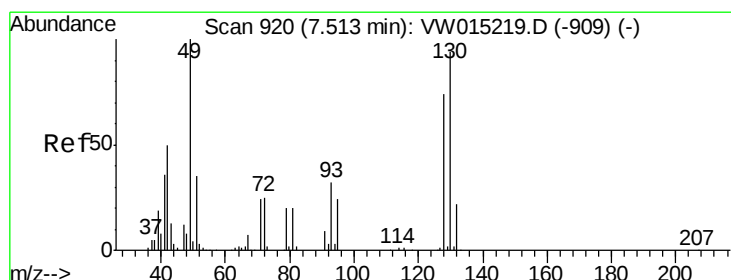
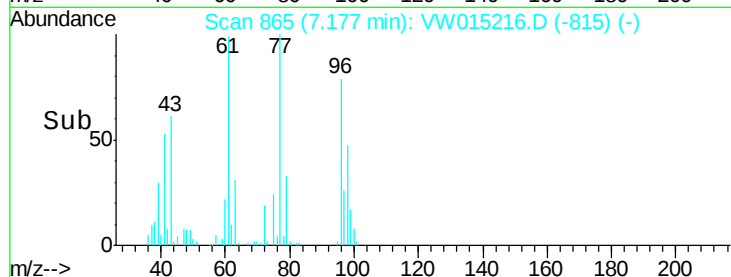
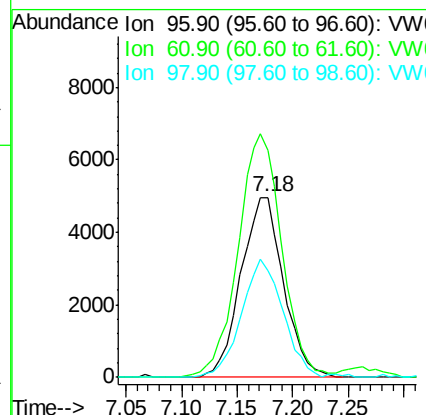
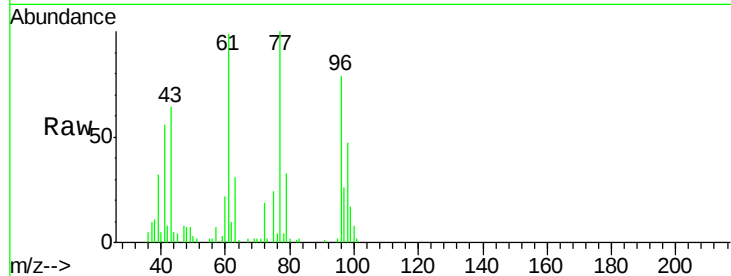
#27
 cis-1,2-Dichloroethene
 Concen: 4.346 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.3	0.0	275.0	
98	63.9	0.0	130.8	

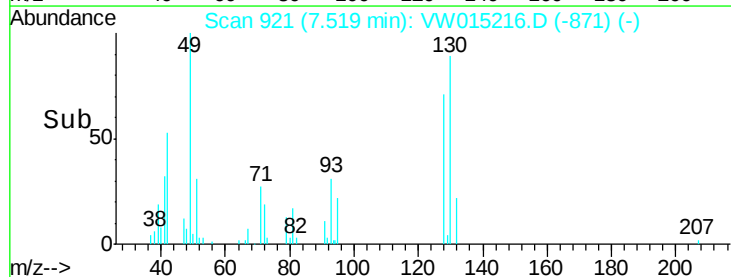
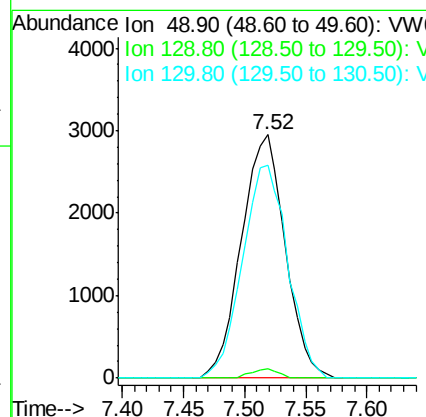
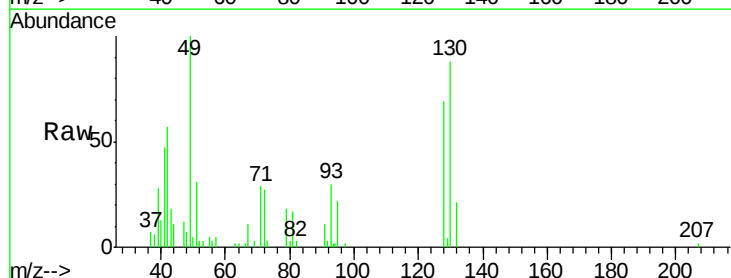
Manual Integrations
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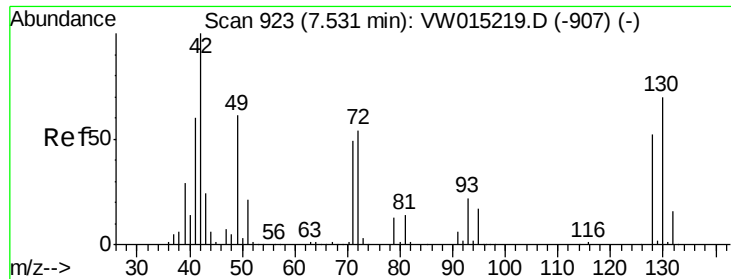
MMDadoda
 4/21/2020 10:01:06 AM



#28
 Bromochloromethane
 Concen: 3.721 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	90.3	60.9	91.3	





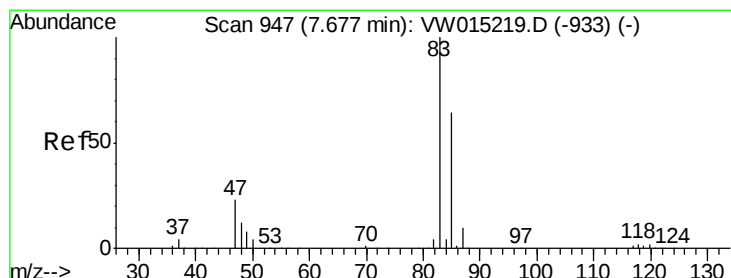
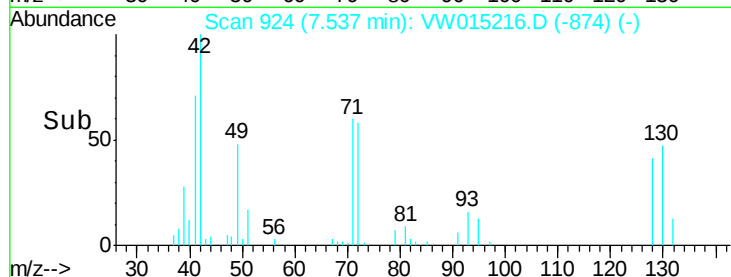
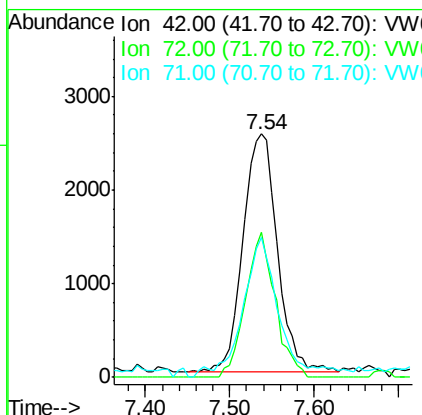
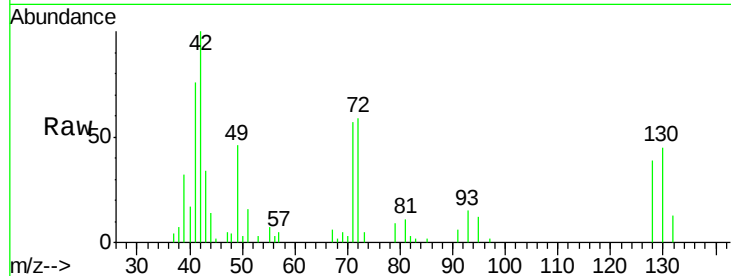
#29
Tetrahydrofuran
Concen: 15.667 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.2	36.2	54.2
71	59.7	34.2	51.4

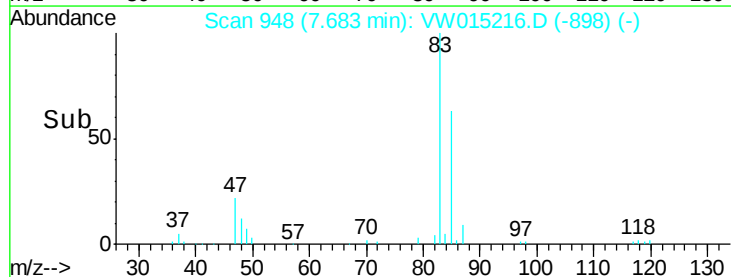
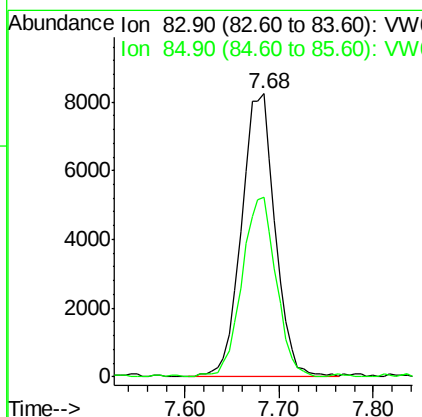
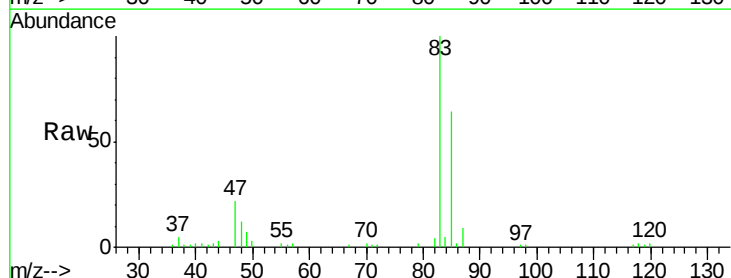
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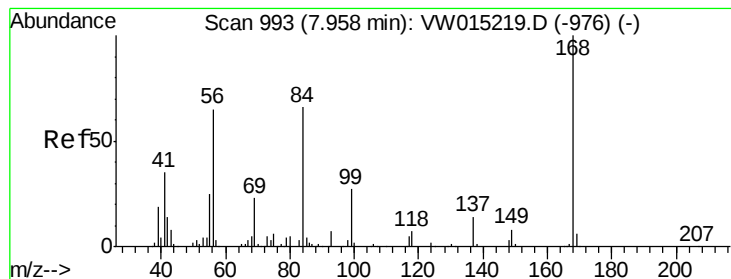
MMDadoda
4/21/2020 10:01:06 AM



#30
Chloroform
Concen: 4.454 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





#31

Cyclohexane

Concen: 4.509 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 22788

Ion Ratio Lower Upper

56 100

69 67.6 27.1 40.7#

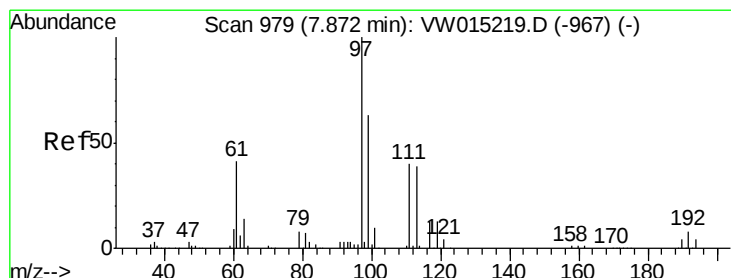
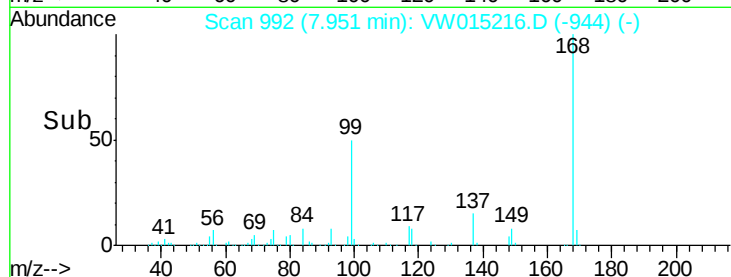
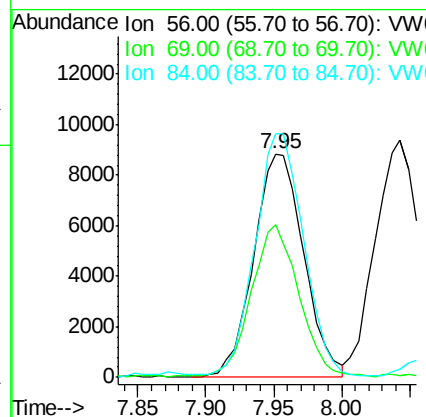
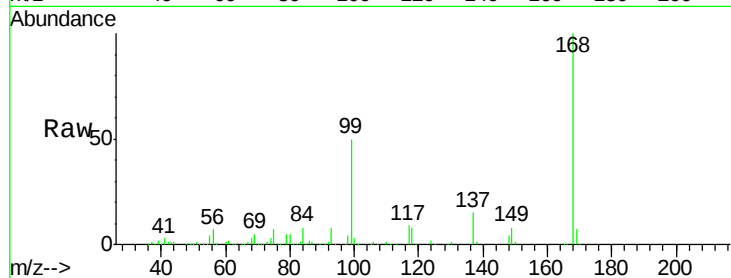
84 107.7 71.9 107.9

Manual Integrations

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MMDadoda

4/21/2020 10:01:06 AM



#32

1,1,1-Trichloroethane

Concen: 5.137 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

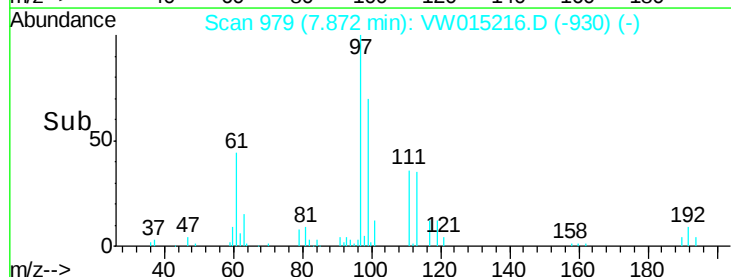
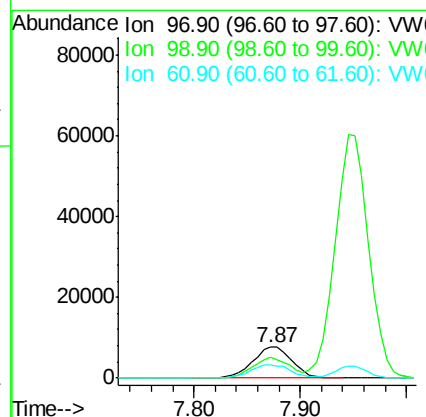
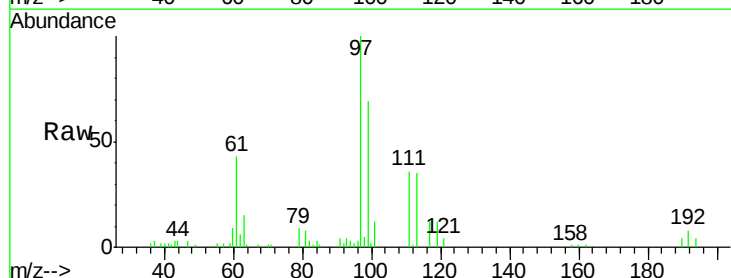
Tgt Ion: 97 Resp: 20042

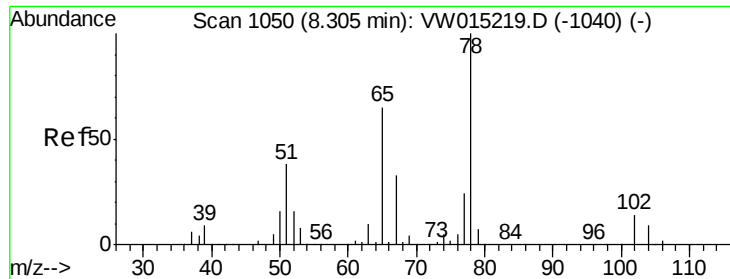
Ion Ratio Lower Upper

97 100

99 62.5 52.2 78.2

61 43.1 34.2 51.2





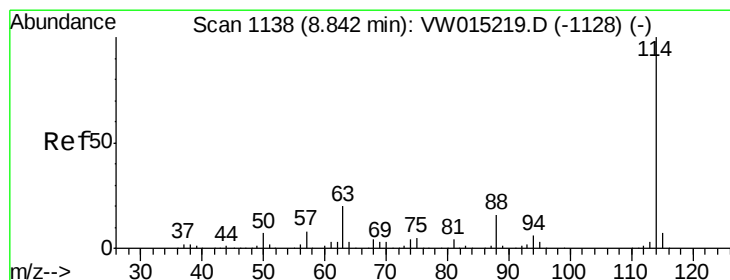
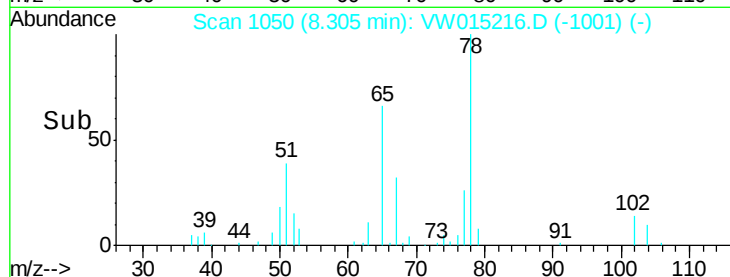
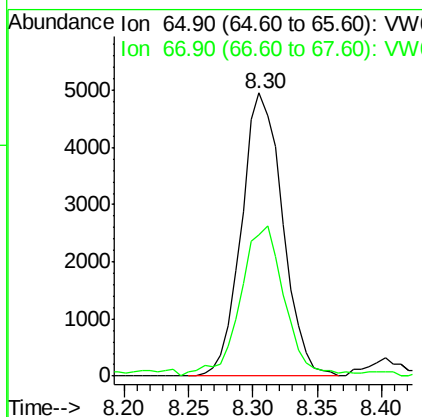
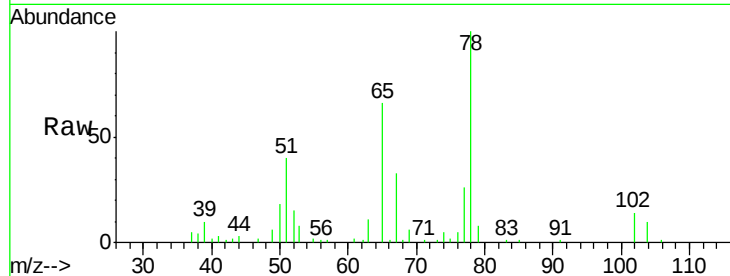
#33
 1,2-Dichloroethane-d4
 Concen: 4.530 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	10956		
67	57.0	0.0	107.0	

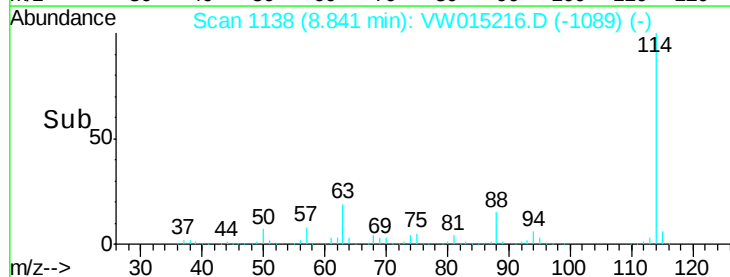
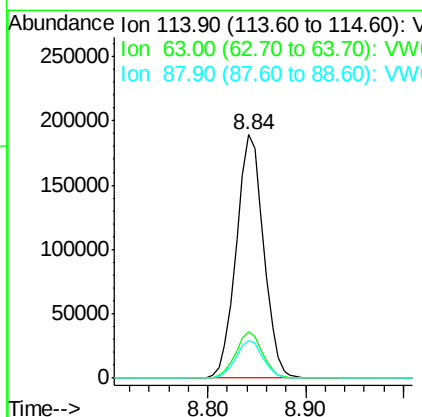
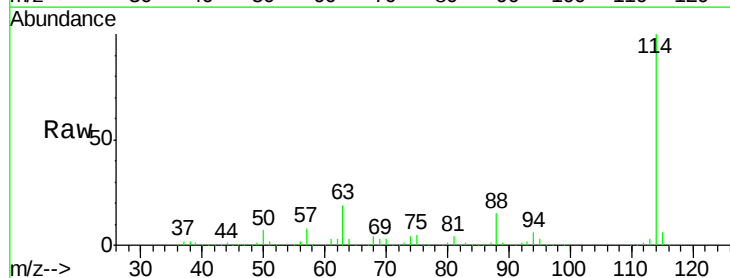
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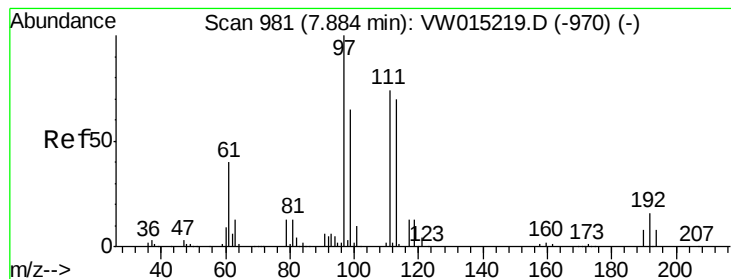
MMDadoda
 4/21/2020 10:01:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366439		
63	19.1	0.0	39.8	
88	15.2	0.0	30.2	





#35

Dibromofluoromethane

Concen: 4.987 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

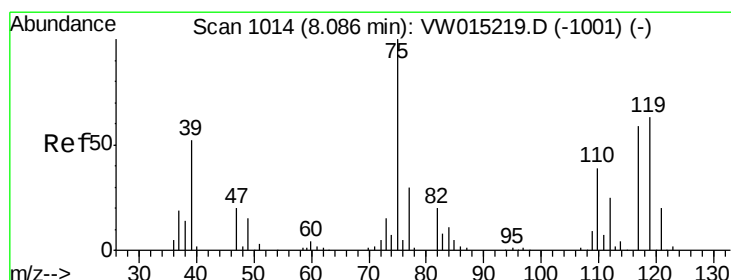
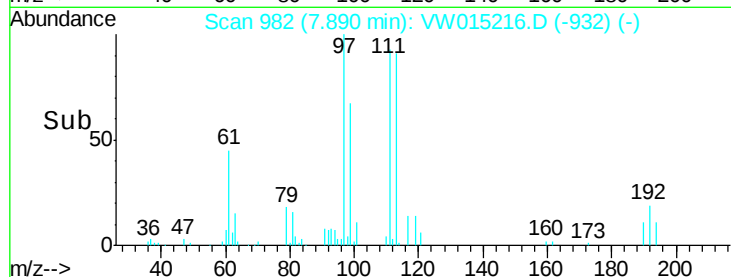
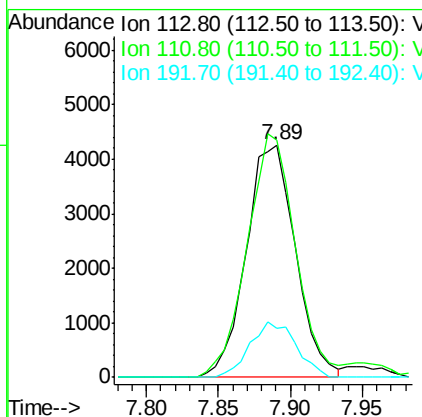
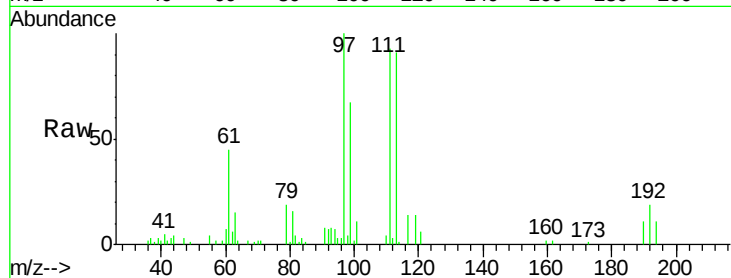
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	10105
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.0	124.4
192	22.3	15.1	22.7

Manual Integrations
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MMDadoda
4/21/2020 10:01:06 AM



#36

1,1-Dichloropropene

Concen: 5.141 ug/l

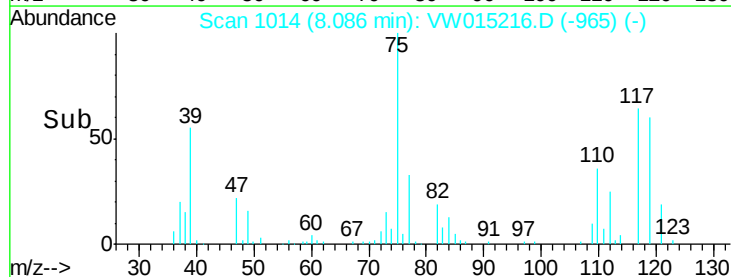
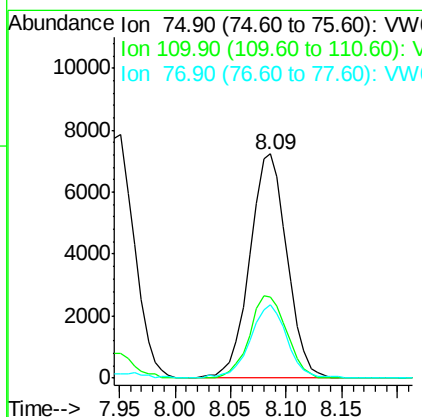
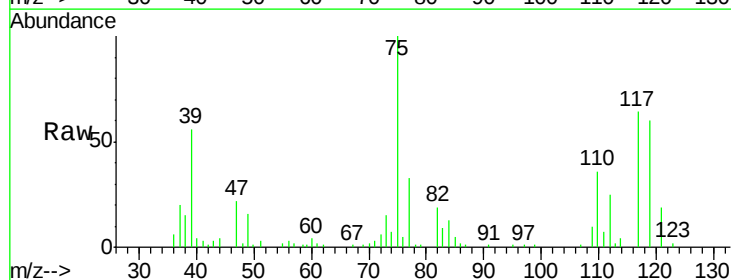
RT: 8.09 min Scan# 1014

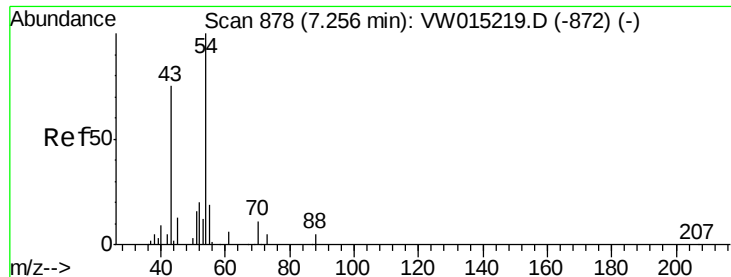
Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion:	75	Resp:	16830
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.2	54.6
77	32.6	24.5	36.7





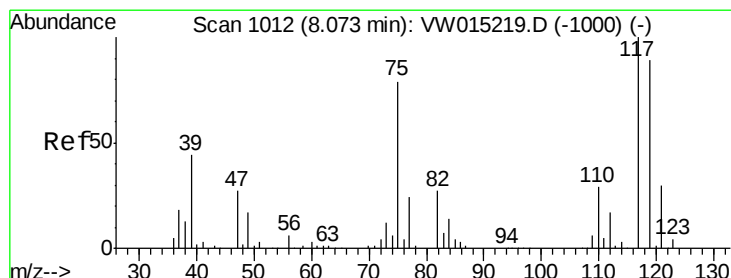
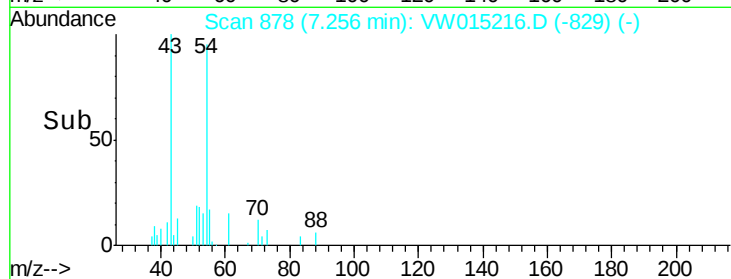
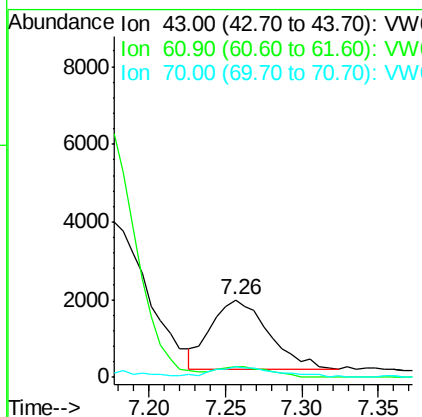
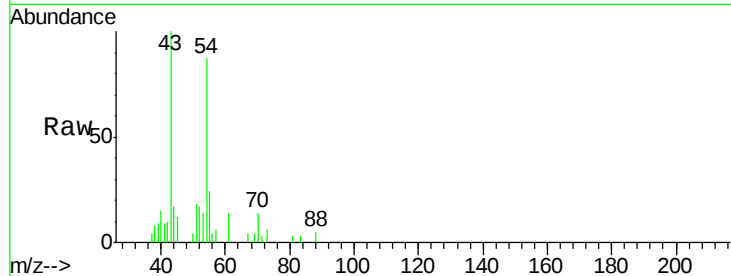
#37
Ethyl Acetate
Concen: 3.440 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.9	17.9
70	17.8	8.8	13.2

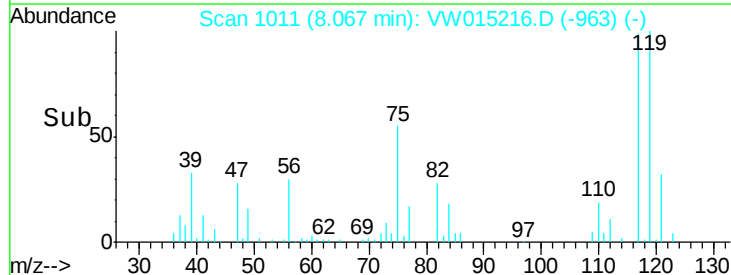
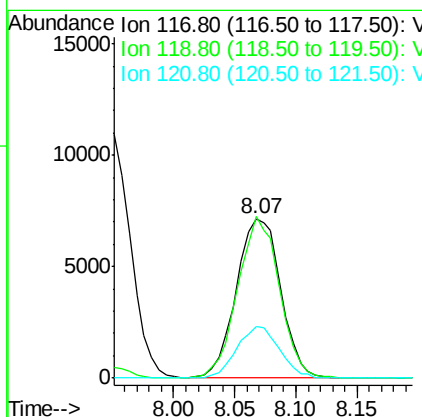
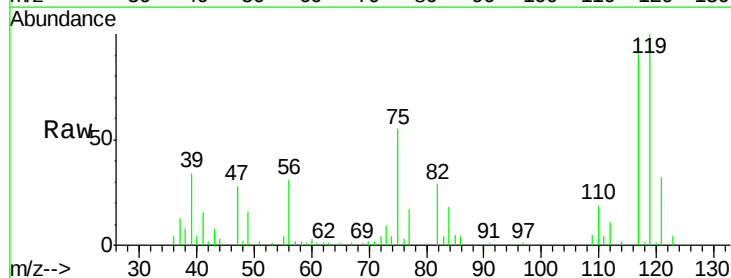
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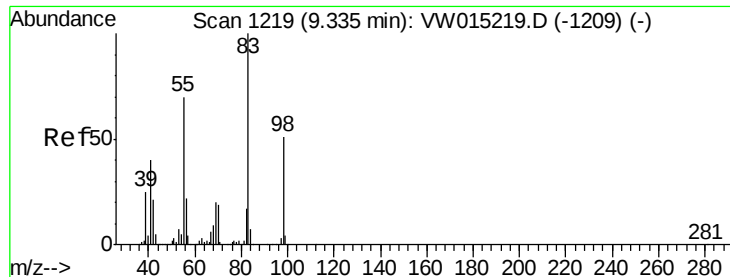
MMDadoda
4/21/2020 10:01:06 AM



#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	72.3	108.5
121	32.0	23.7	35.5





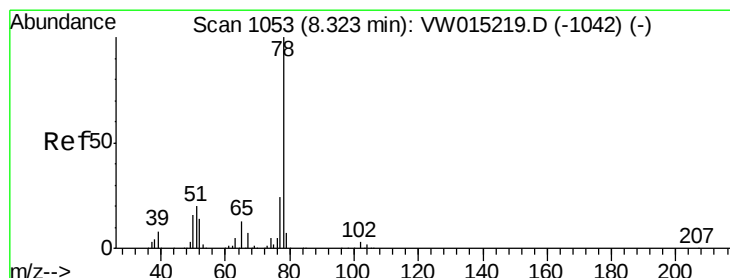
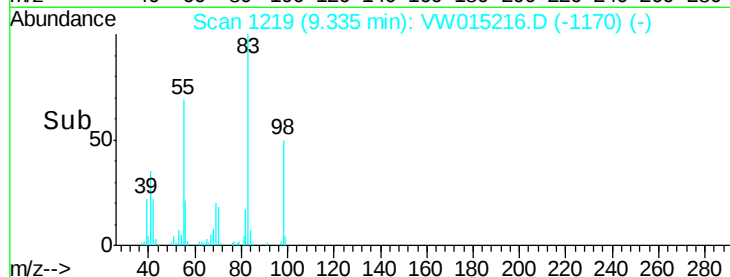
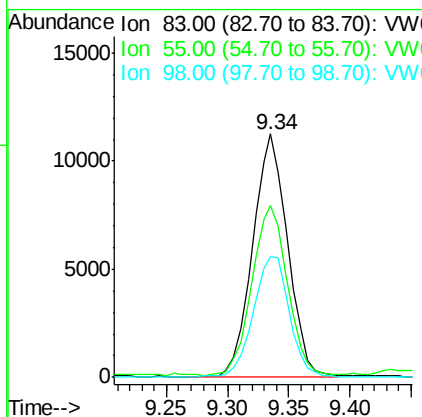
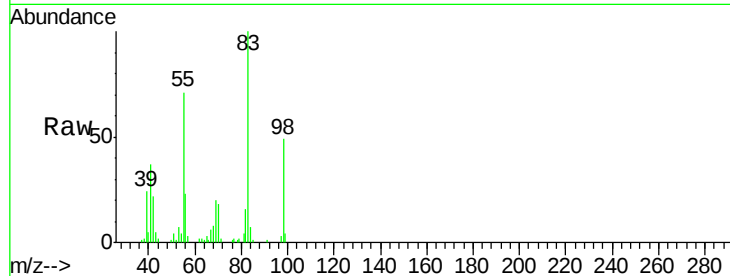
#39
Methvlcvclohexane
Concen: 5.096 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	58.1	87.1
98	49.3	40.2	60.4

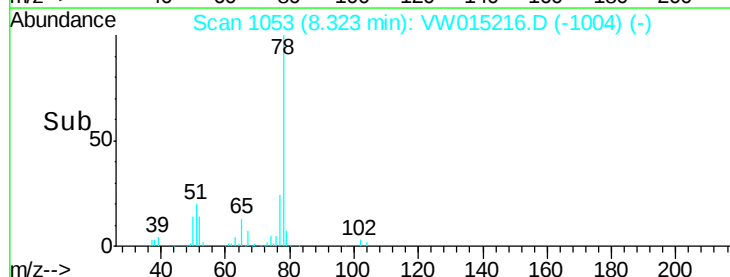
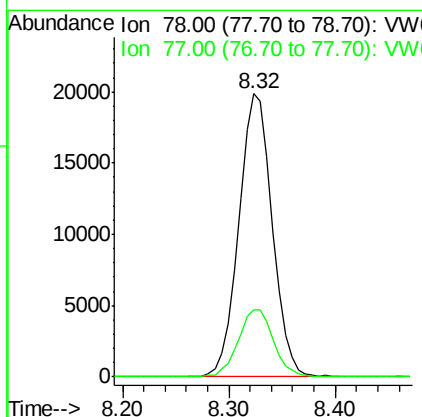
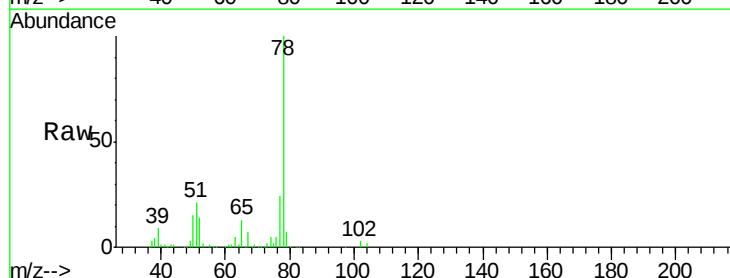
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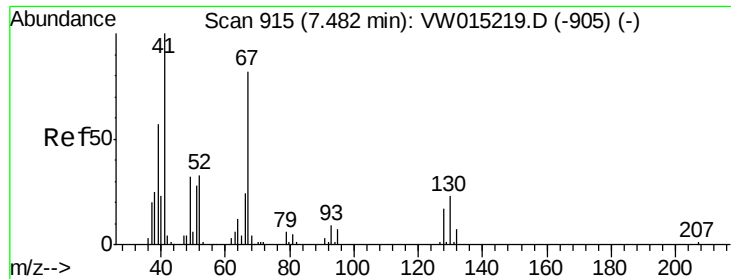
MMDadoda
4/21/2020 10:01:06 AM



#40
Benzene
Concen: 4.700 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.2





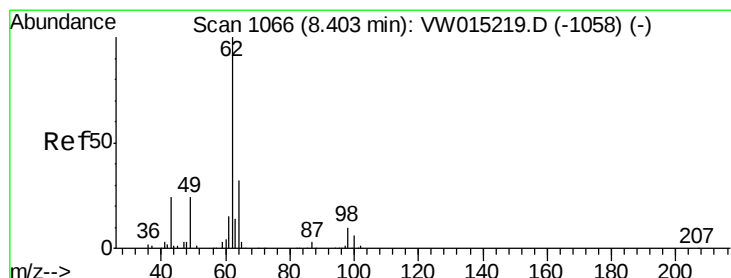
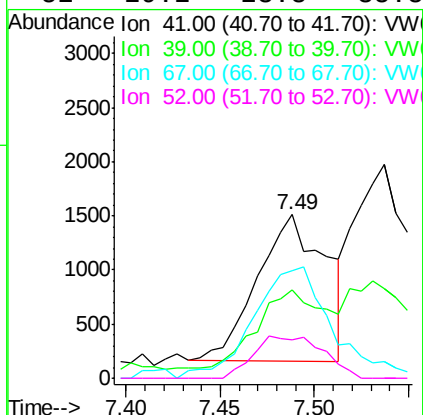
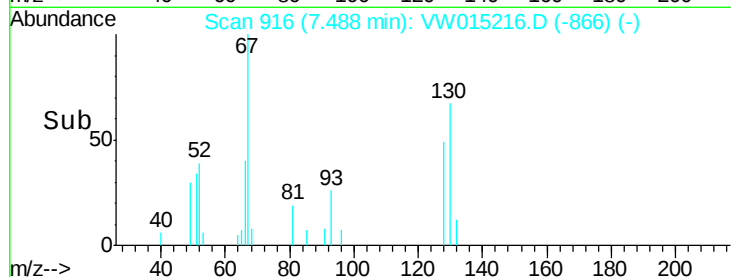
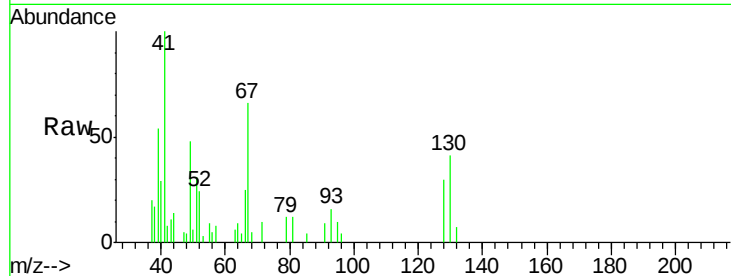
#41
Methacrylonitrile
Concen: 4.239 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		3417		
39	53.5	41.9	62.9		
67	86.8	60.6	91.0		
52	29.2	23.8	35.8		

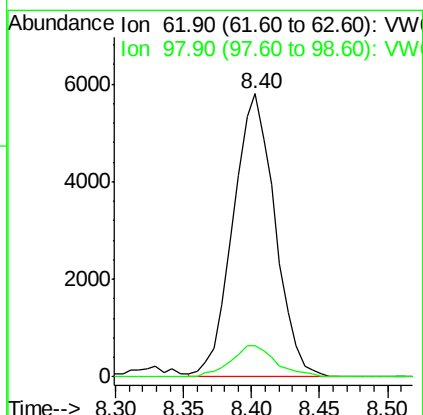
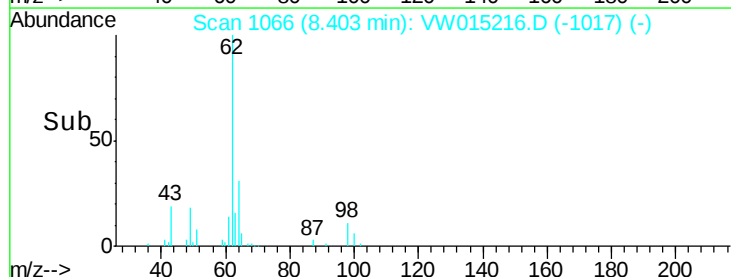
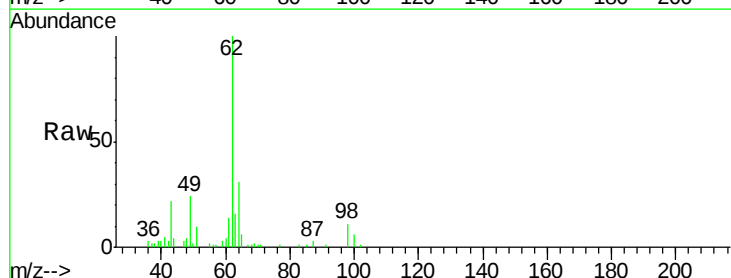
Manual Integrations
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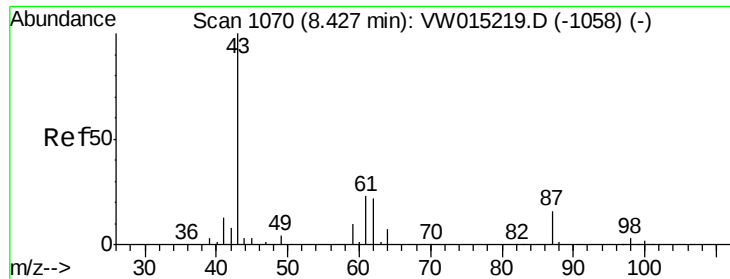
MMDadoda
4/21/2020 10:01:06 AM



#42
1,2-Dichloroethane
Concen: 5.289 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		12477		
98	11.8	0.0	20.4		





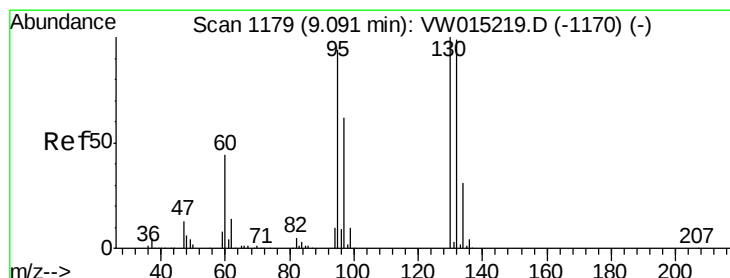
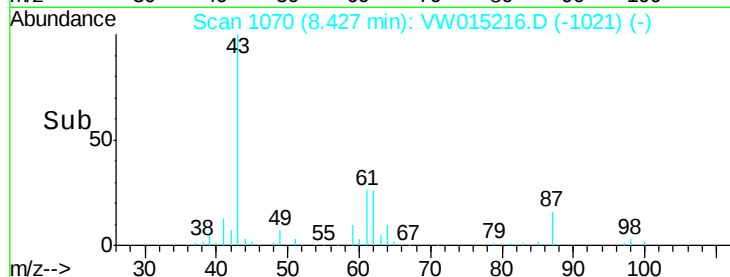
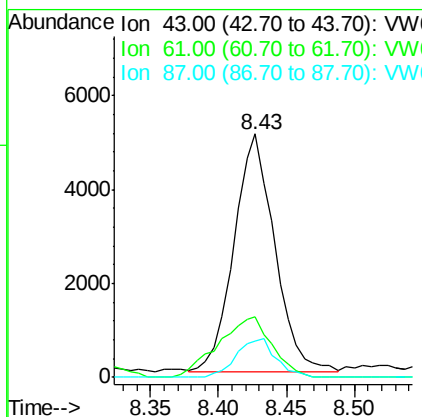
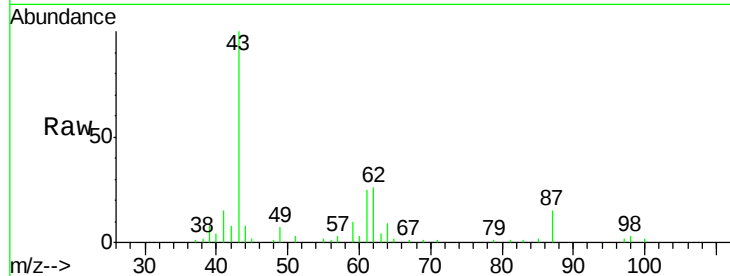
#43
Isopropyl Acetate
Concen: 3.945 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	61	87
Resp	10504		
Ratio	100	33.4	15.8
Lower		24.8	11.4
Upper		37.2	17.2

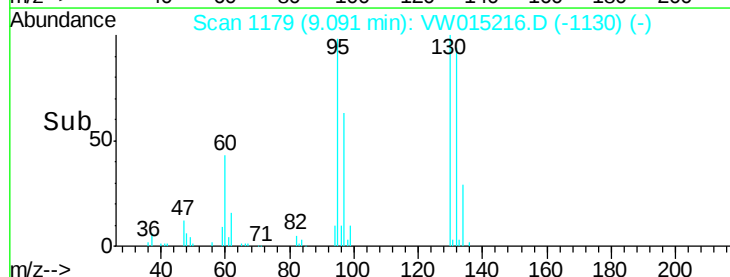
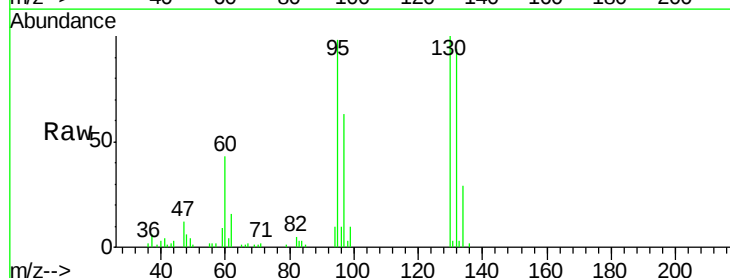
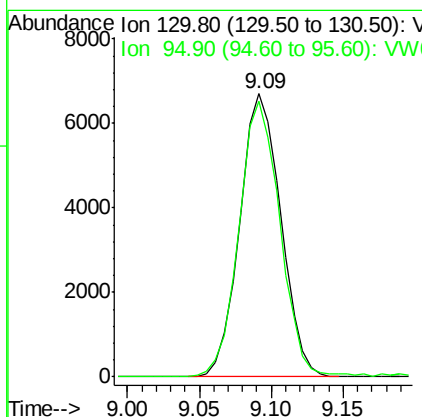
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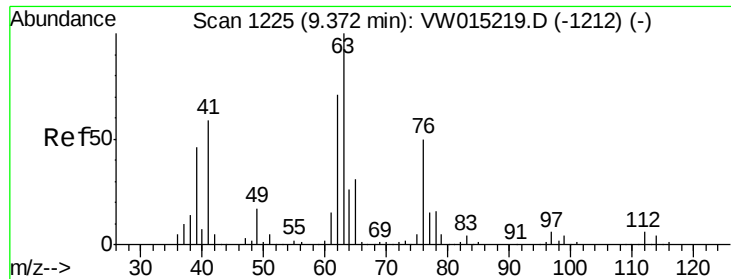
MMDadoda
4/21/2020 10:01:06 AM



#44
Trichloroethene
Concen: 5.407 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	130	95
Resp	13207	
Ratio	100	97.5
Lower		0.0
Upper		196.4





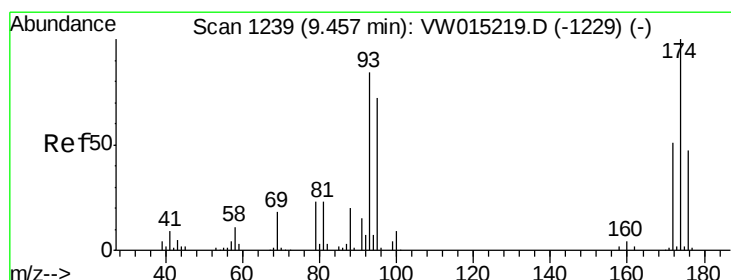
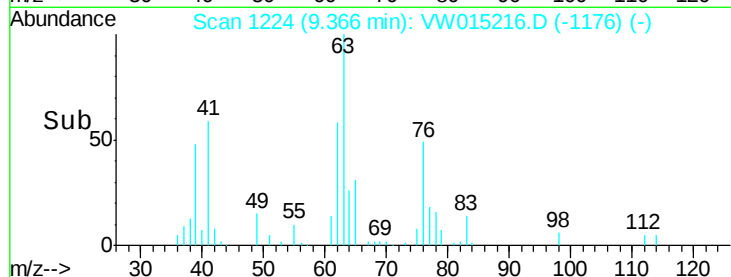
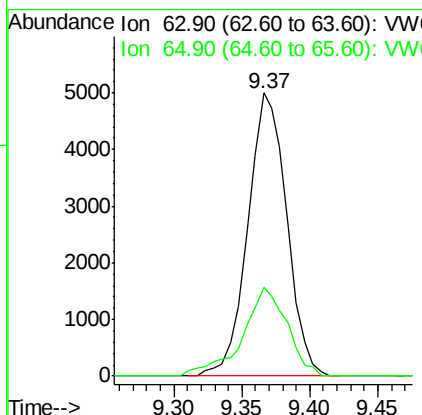
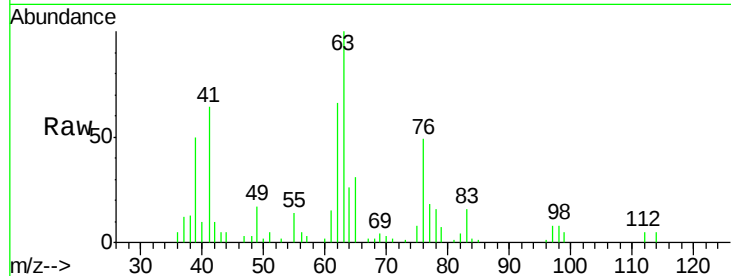
#45
 1,2-Dichloropropane
 Concen: 4.376 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 10007
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.5 38.3

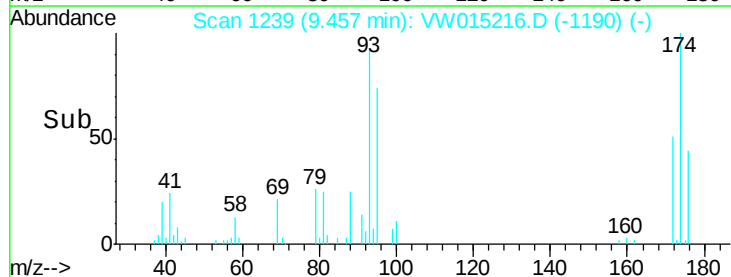
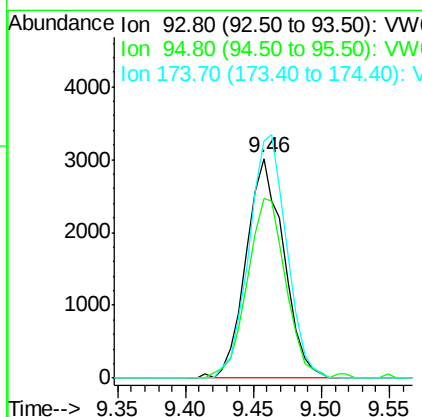
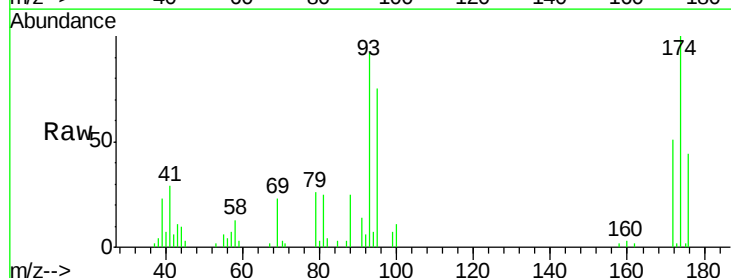
Manual Integrations
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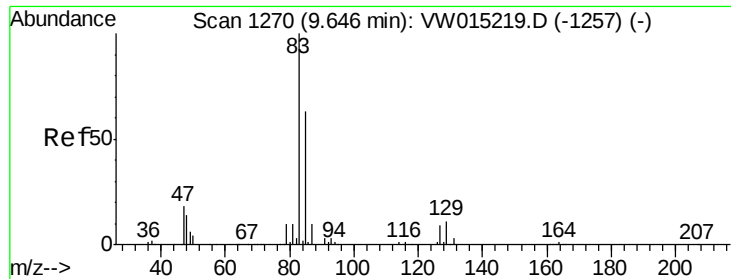
MMDadoda
 4/21/2020 10:01:06 AM



#46
 Dibromomethane
 Concen: 5.096 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion: 93 Resp: 5825
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.5 101.3
 174 110.9 74.1 111.1





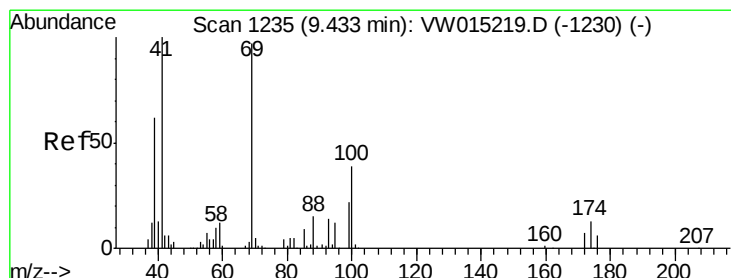
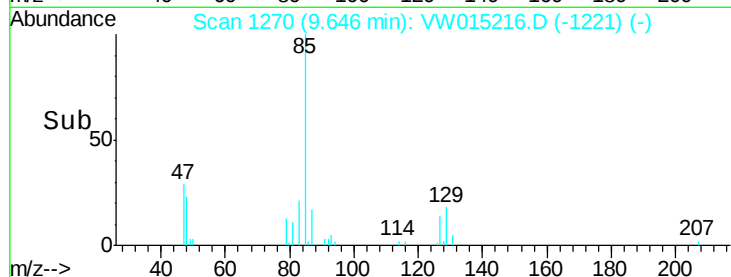
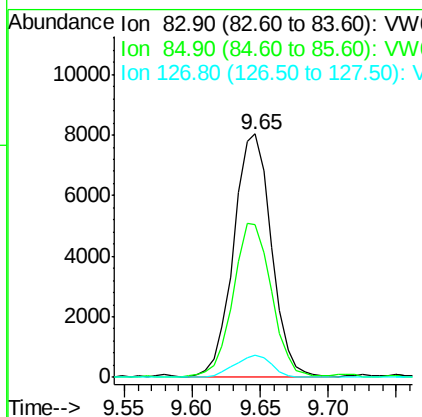
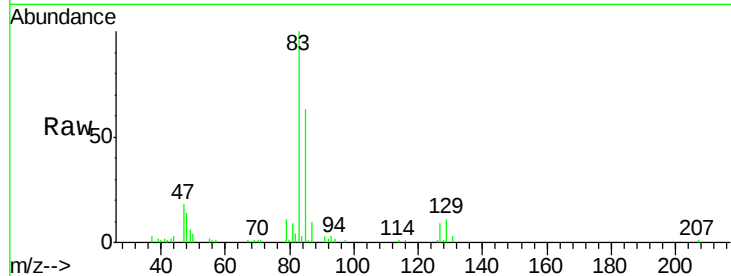
#47
Bromodichloromethane
Concen: 5.279 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.6	76.0
127	8.9	6.7	10.1

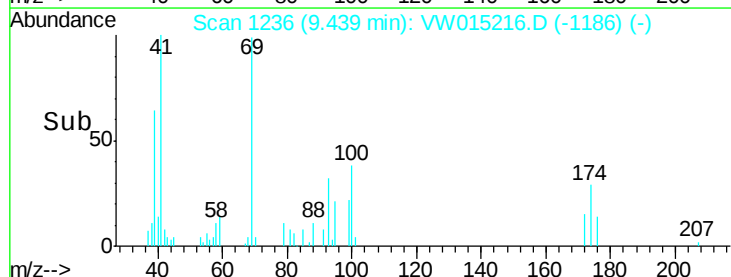
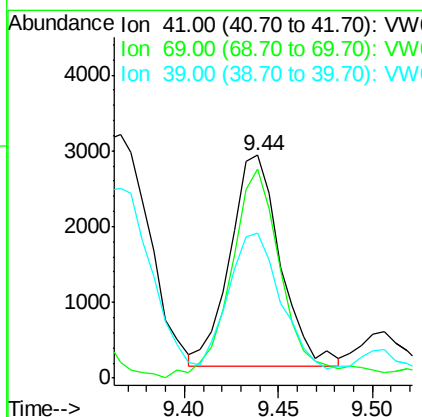
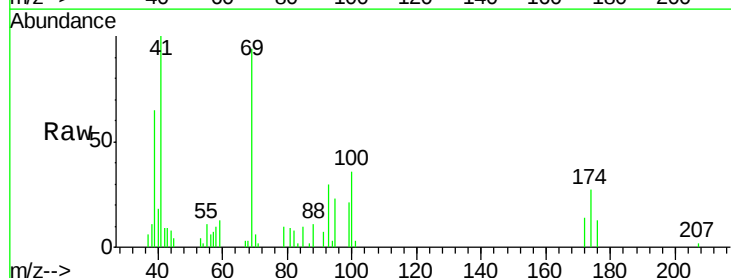
Manual Integrations
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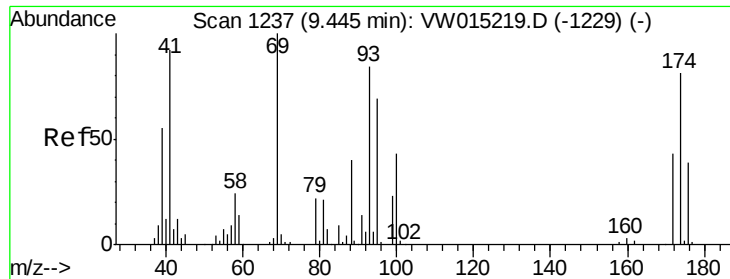
MMDadoda
4/21/2020 10:01:06 AM



#48
Methyl methacrylate
Concen: 4.153 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	101.4	70.6	105.8
39	65.0	42.6	64.0#





#49

1,4-Dioxane

Concen: 80.846 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 88 Resp: 1466

Ion Ratio Lower Upper

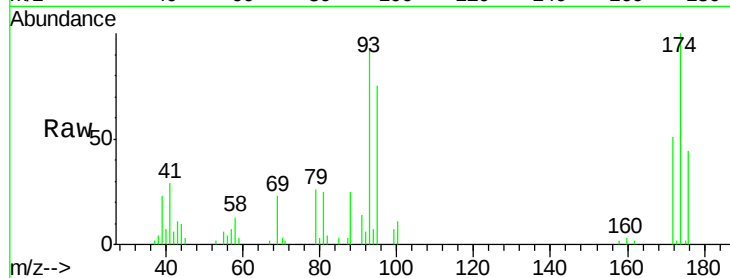
88 100

43 28.9 23.5 35.3

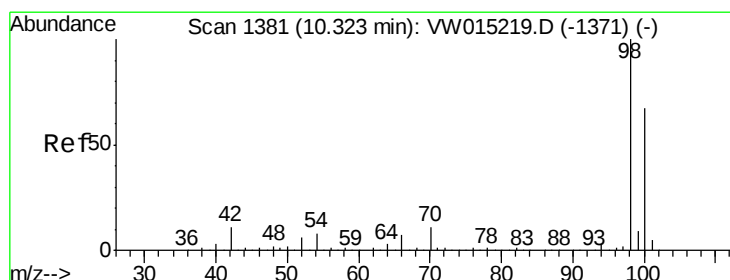
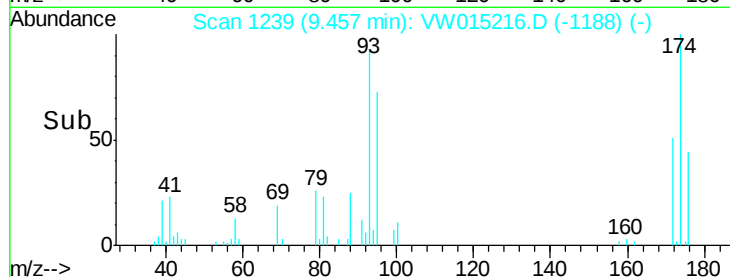
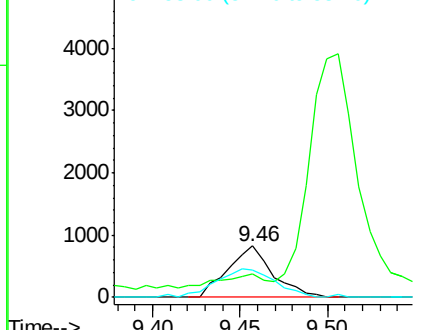
58 74.3 55.4 83.2

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



#50

Toluene-d8

Concen: 5.651 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015216.D

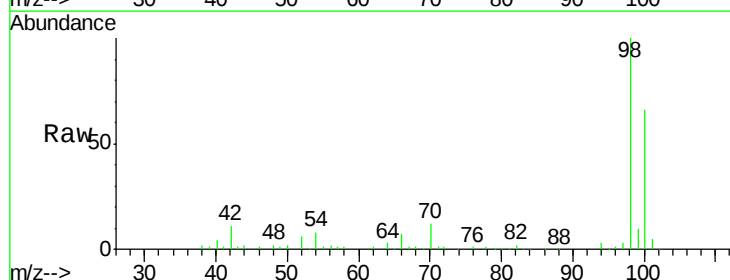
Acq: 20 Apr 2020 12:01

Tgt Ion: 98 Resp: 46522

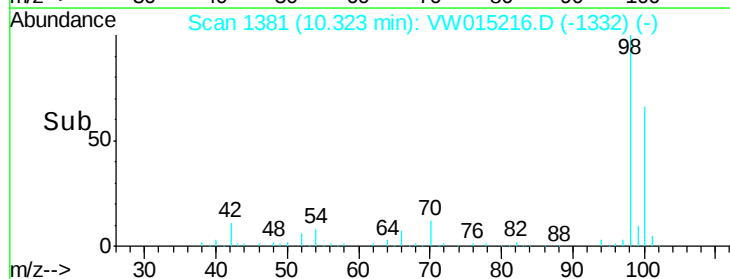
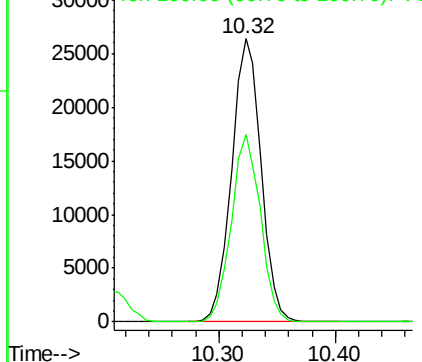
Ion Ratio Lower Upper

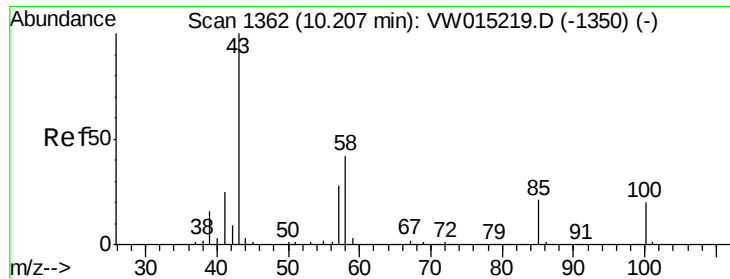
98 100

100 65.4 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 17.890 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25193

Ion Ratio Lower Upper

43 100

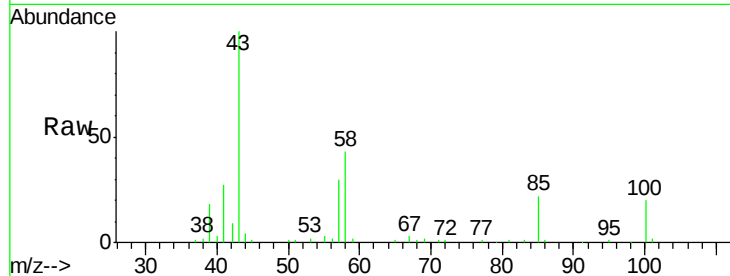
58 42.2 32.3 48.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

15000

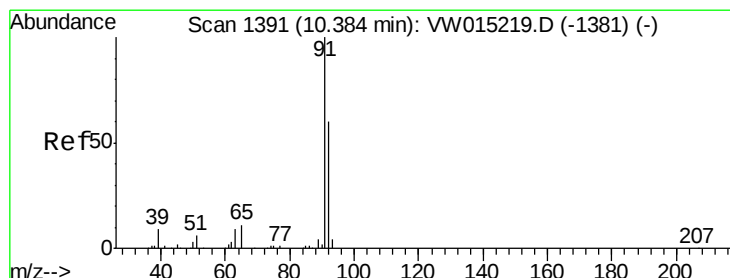
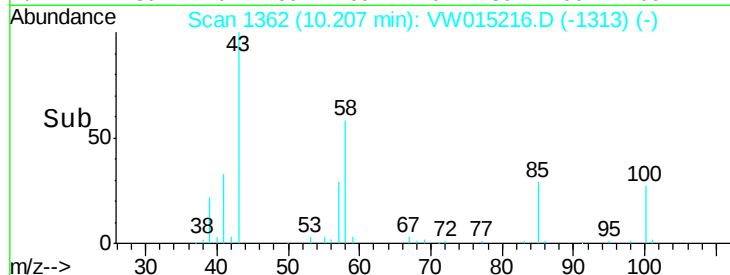
10000

5000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 5.141 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015216.D

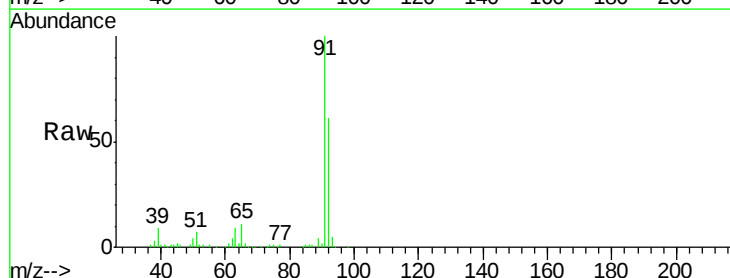
Acq: 20 Apr 2020 12:01

Tgt Ion: 92 Resp: 30586

Ion Ratio Lower Upper

92 100

91 169.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

30000

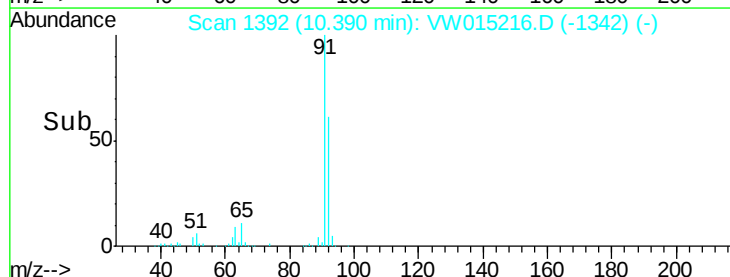
20000

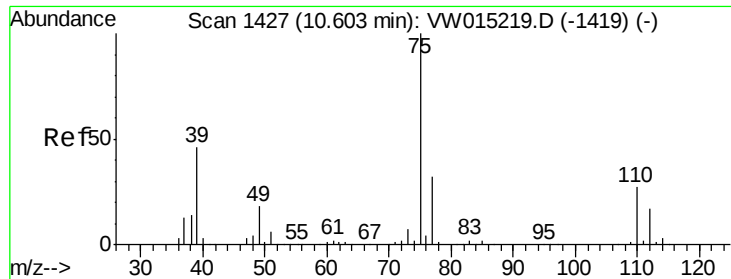
10000

0

Time-->

10.30 10.40





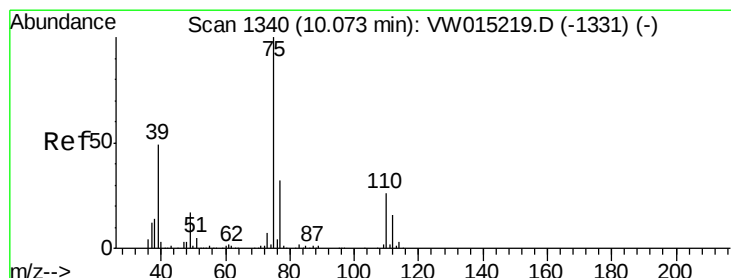
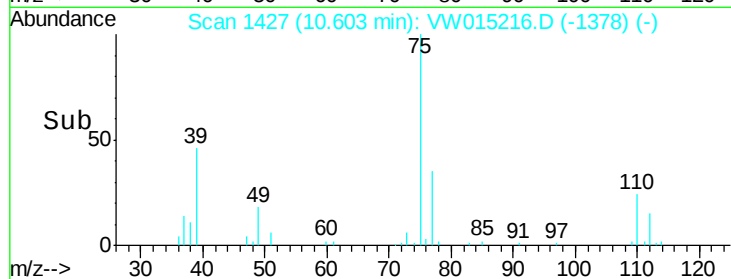
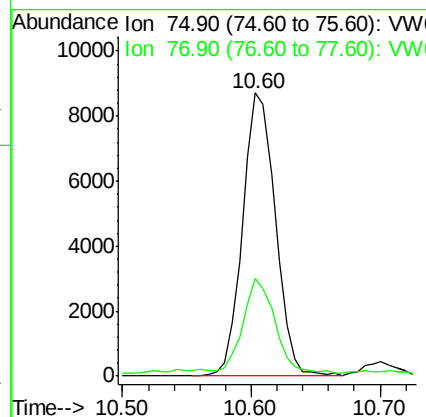
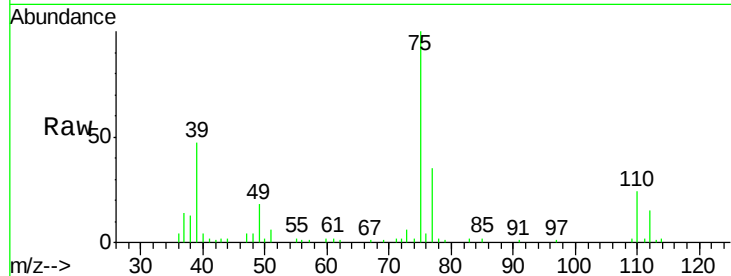
#53
t-1,3-Dichloropropene
Concen: 5.078 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.5	38.3

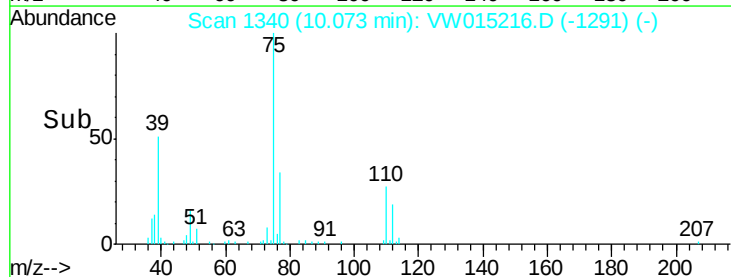
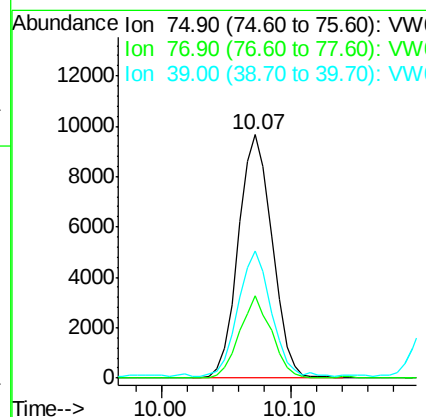
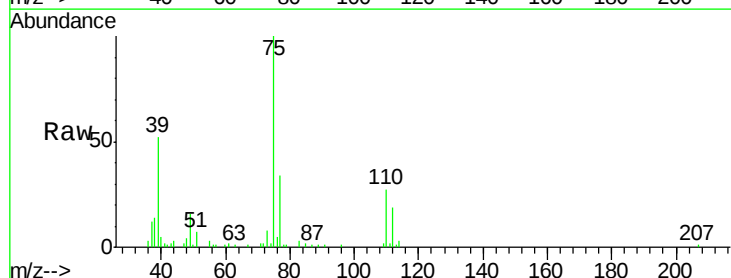
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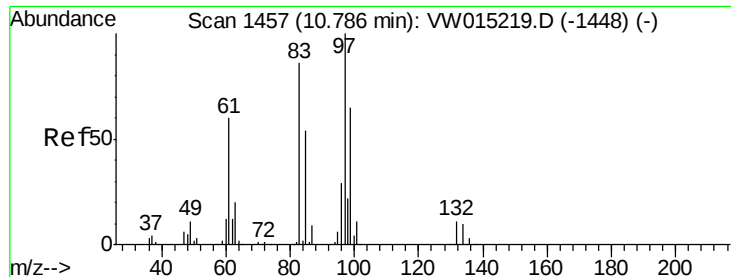
MMDadoda
4/21/2020 10:01:06 AM



#54
cis-1,3-Dichloropropene
Concen: 4.851 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.6	39.8
39	51.3	37.8	56.6





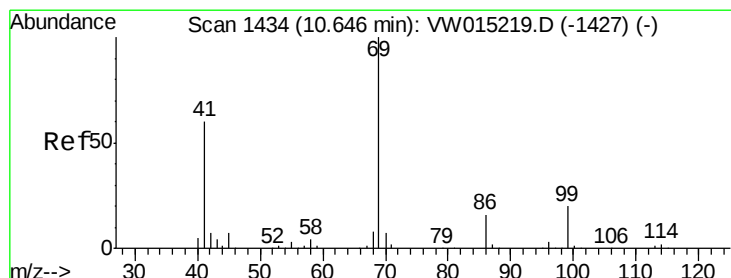
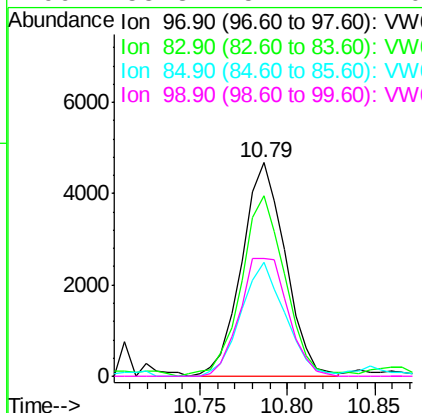
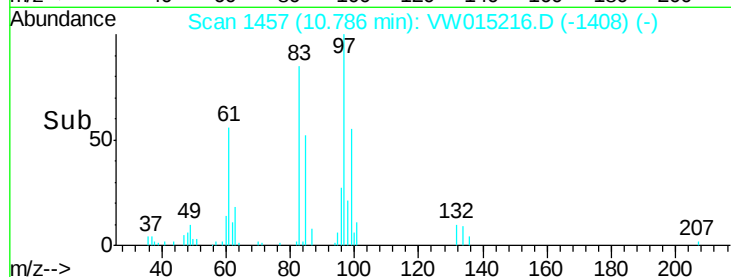
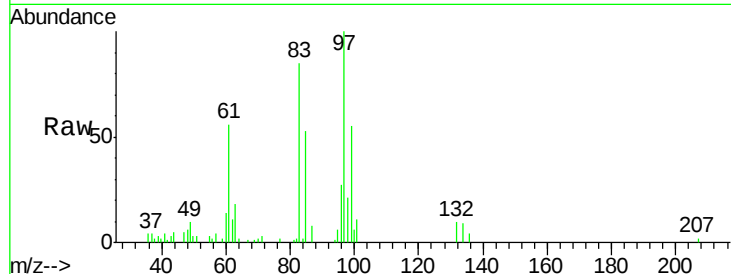
#55
 1,1,2-Trichloroethane
 Concen: 5.029 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	8144
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.3	100.9
85	53.4	43.8	65.8
99	55.3	51.4	77.0

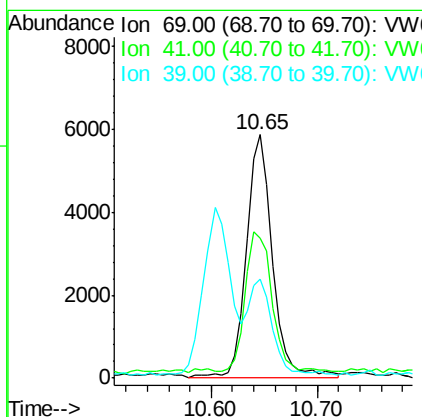
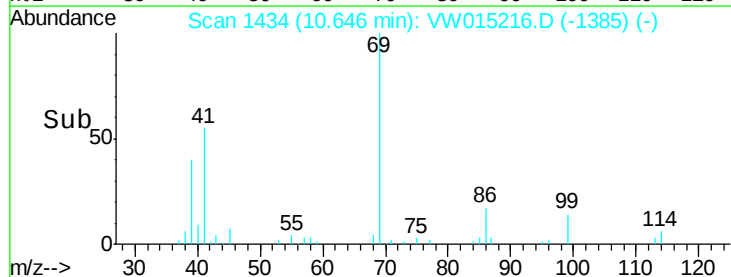
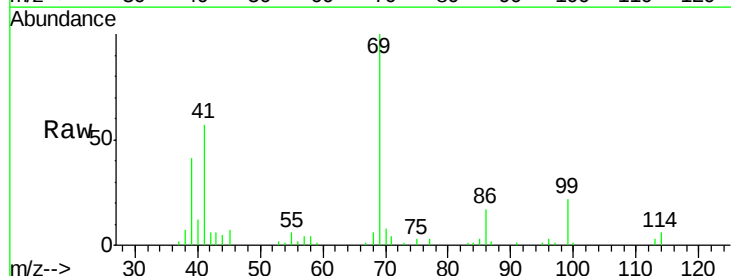
Manual Integrations
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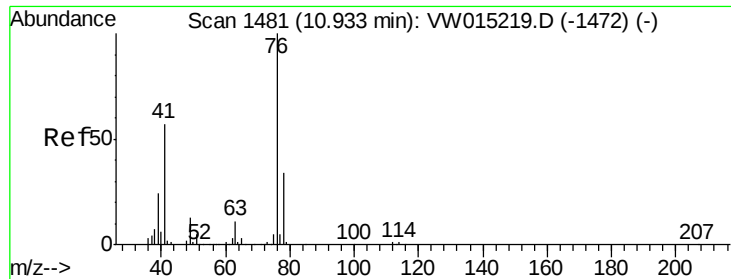
MMDadoda
 4/21/2020 10:01:06 AM



#56
 Ethyl methacrylate
 Concen: 4.564 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion:	69	Resp:	10186
Ion	Ratio	Lower	Upper
69	100		
41	60.4	51.3	76.9
39	36.2	24.6	37.0





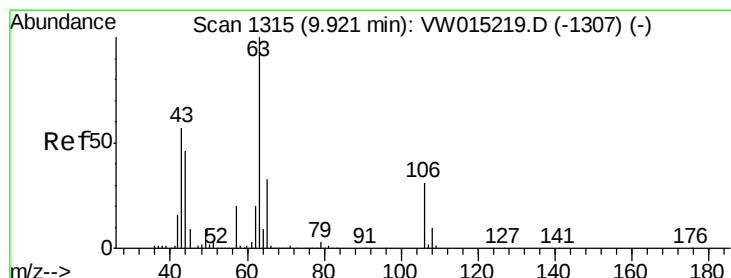
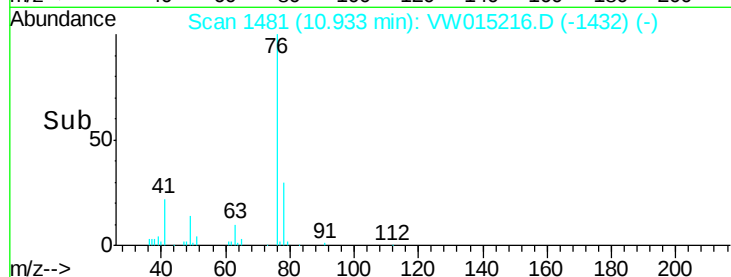
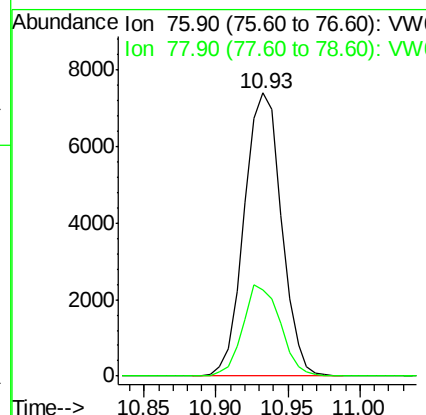
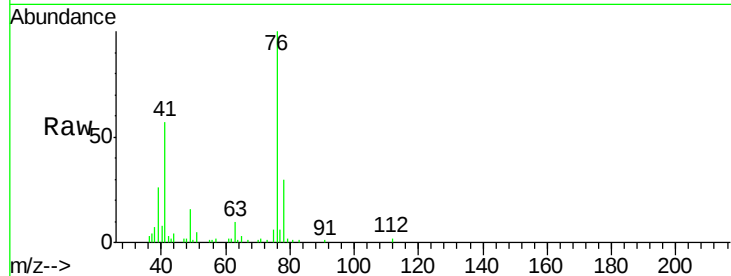
#57
 1,3-Dichloropropane
 Concen: 4.662 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

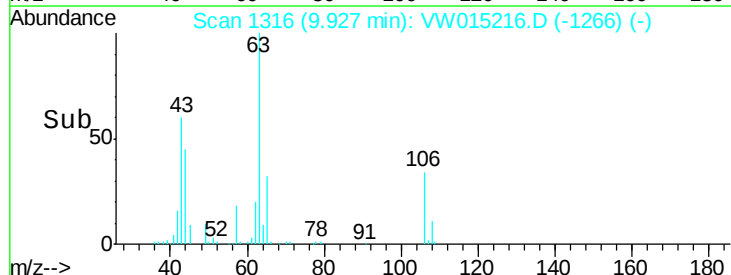
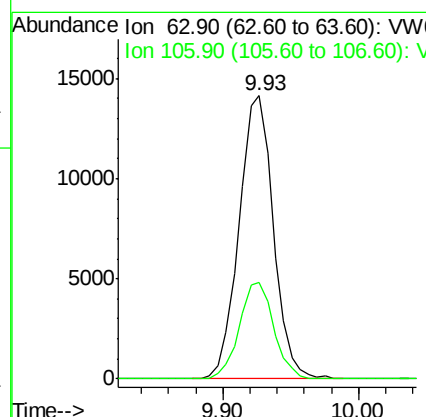
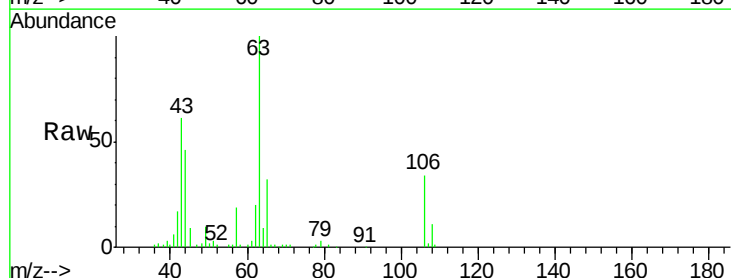
Manual Integrations
 APPROVED

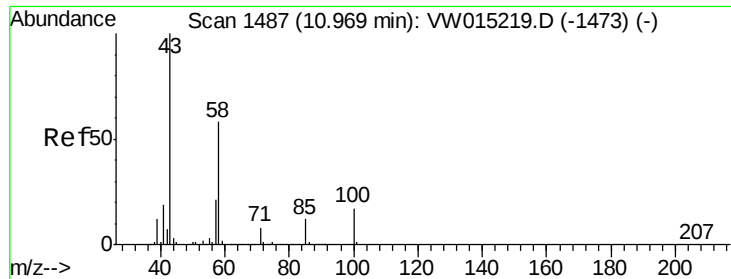
MMDadoda
 4/21/2020 10:01:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.551 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.0	22.6	33.8#





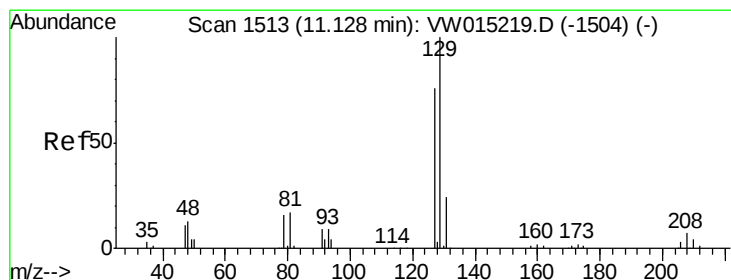
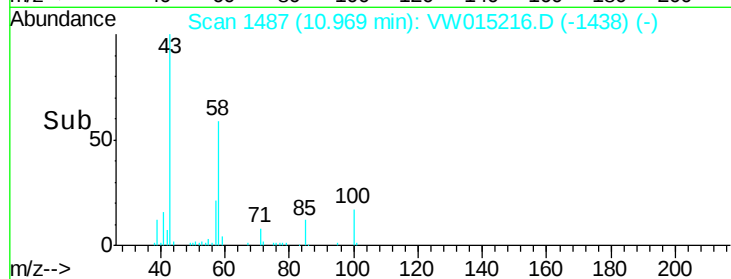
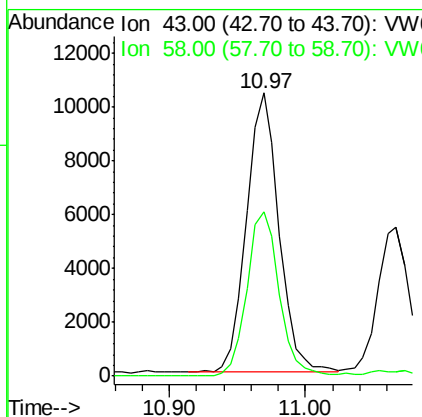
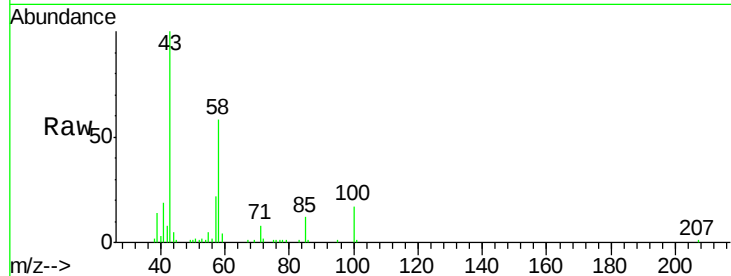
#59
2-Hexanone
Concen: 19.704 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	17414
Ion Ratio	100	Lower	Upper
43	100		
58	58.2	28.1	84.3

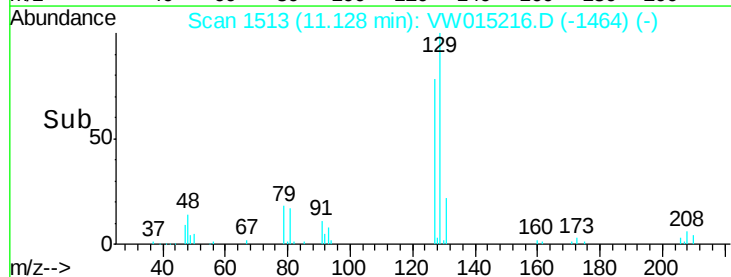
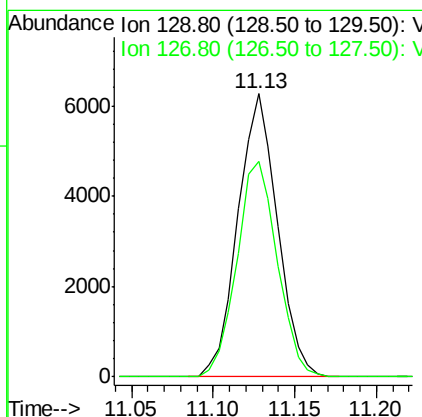
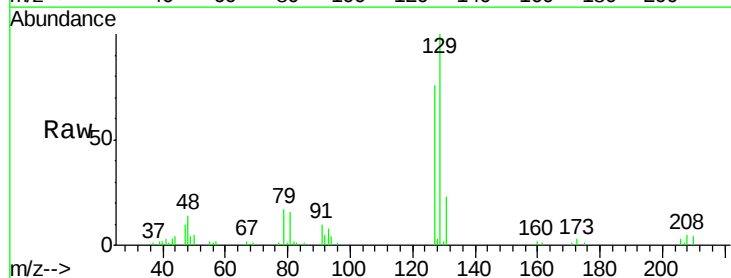
Manual Integrations
APPROVED

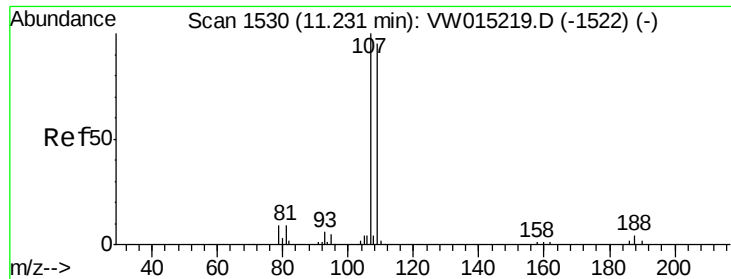
MMDadoda
4/21/2020 10:01:06 AM



#60
Dibromochloromethane
Concen: 5.471 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	129	Resp	10571
Ion Ratio	100	Lower	Upper
129	100		
127	77.9	38.3	114.8





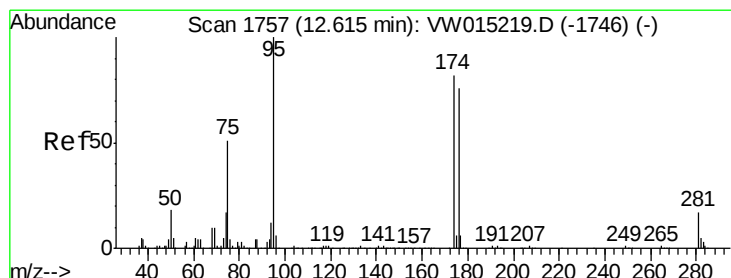
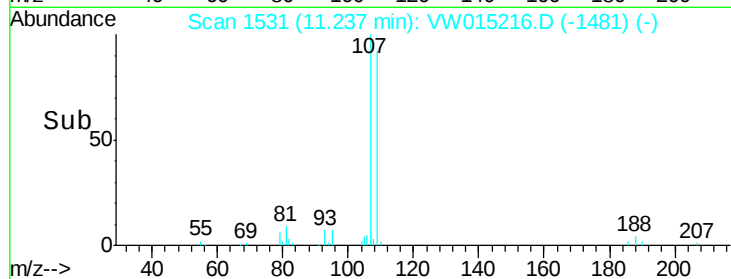
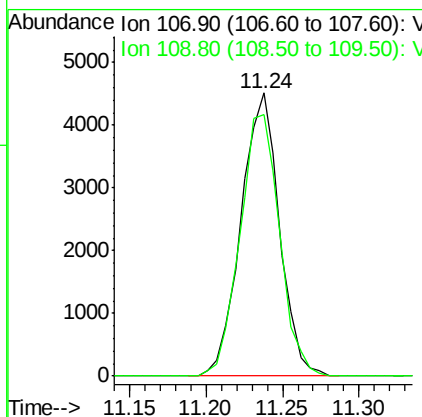
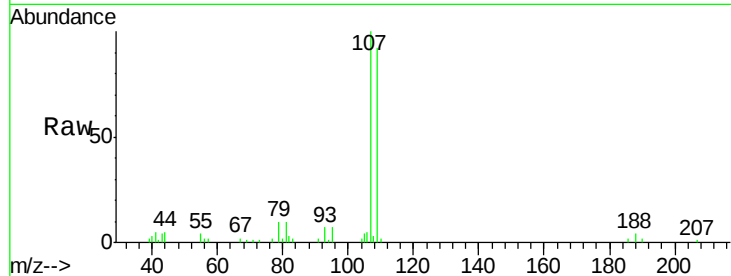
#61
 1,2-Dibromoethane
 Concen: 5.041 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.3	111.5

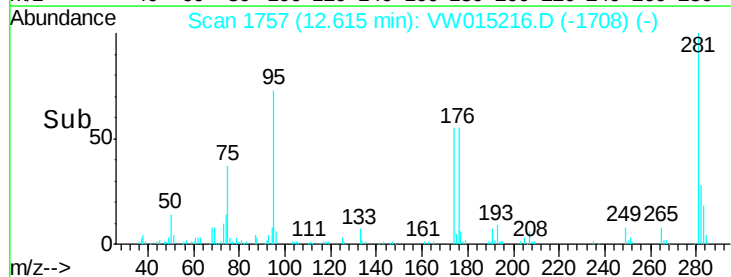
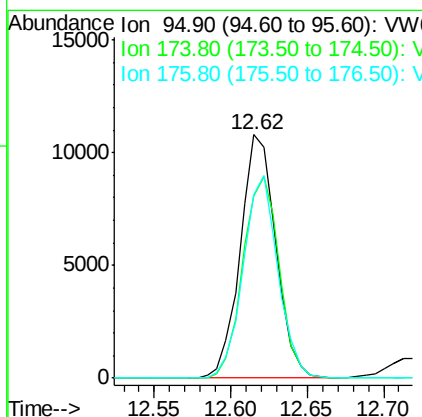
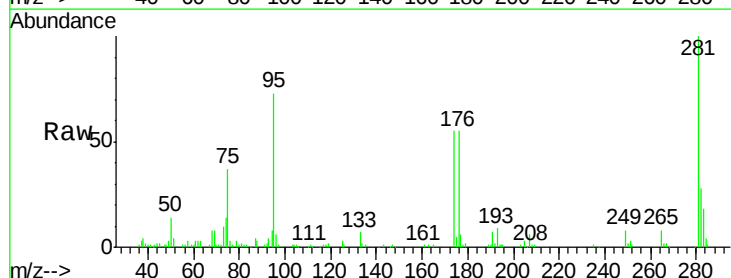
Manual Integrations
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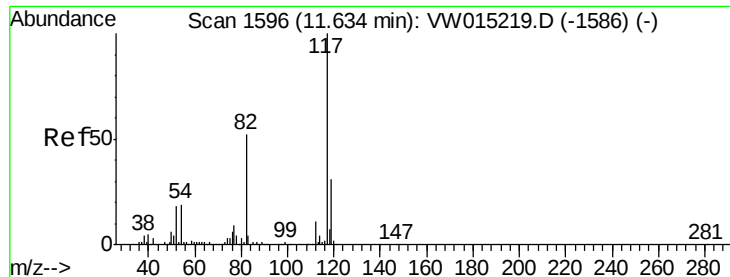
MMDadoda
 4/21/2020 10:01:06 AM



#62
 4-Bromofluorobenzene
 Concen: 6.047 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	144.4
176	81.2	0.0	140.6





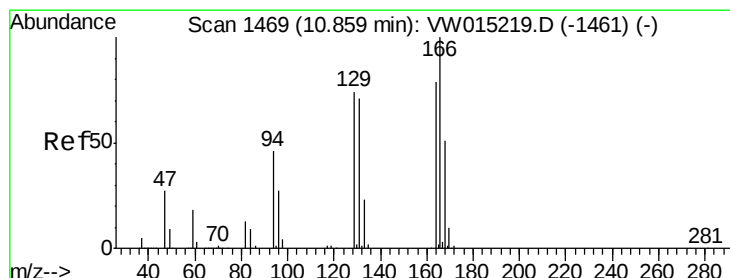
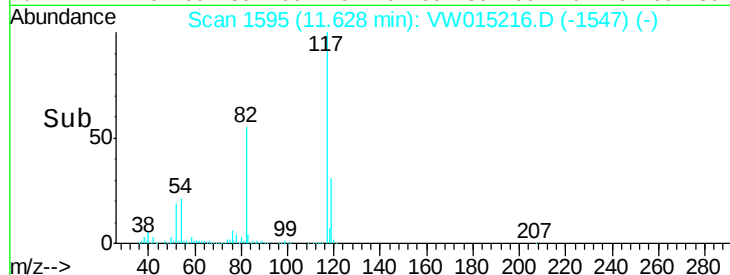
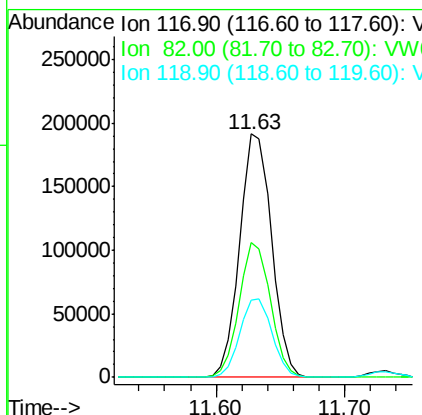
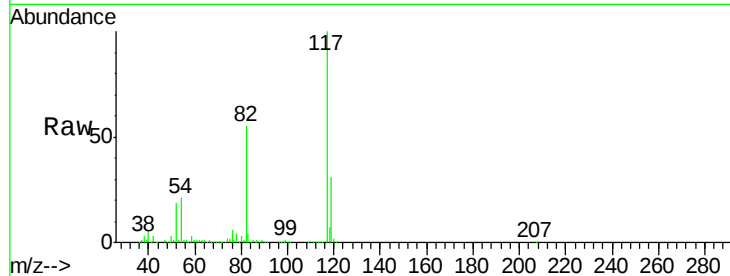
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329265		
82	55.2		44.1	66.1
119	31.5		24.9	37.3

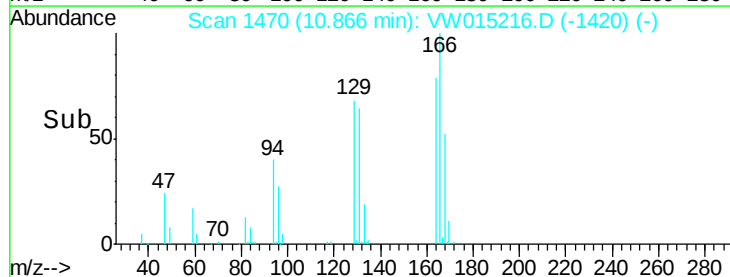
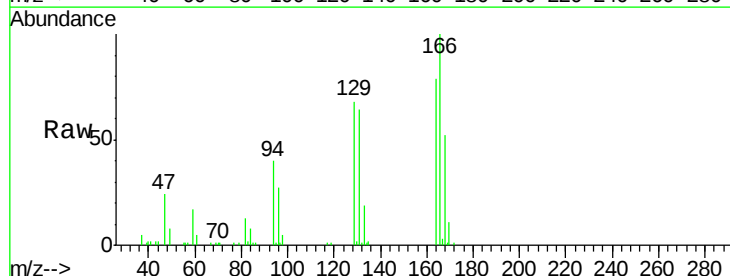
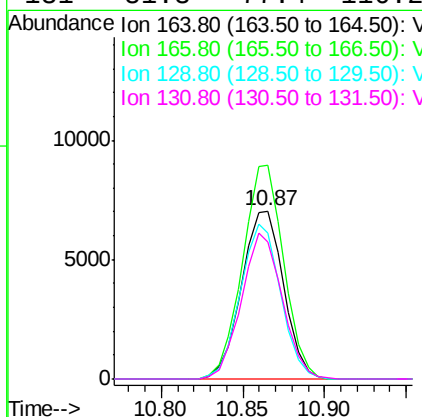
Manual Integrations
APPROVED

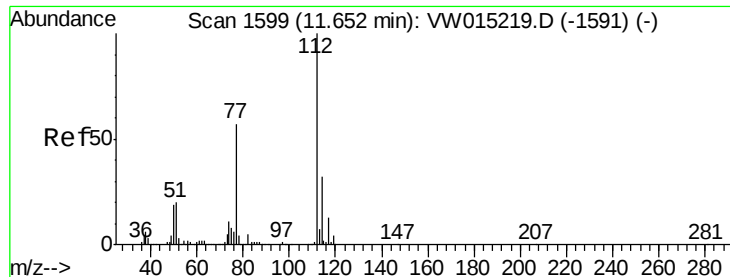
MMDadoda
4/21/2020 10:01:06 AM



#64
Tetrachloroethene
Concen: 6.502 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12575		
166	127.0		102.6	154.0
129	87.0		80.2	120.2
131	81.3		77.4	116.2





#65

Chlorobenzene

Concen: 5.332 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 33034

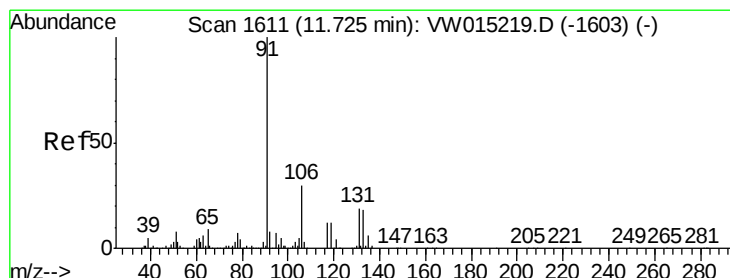
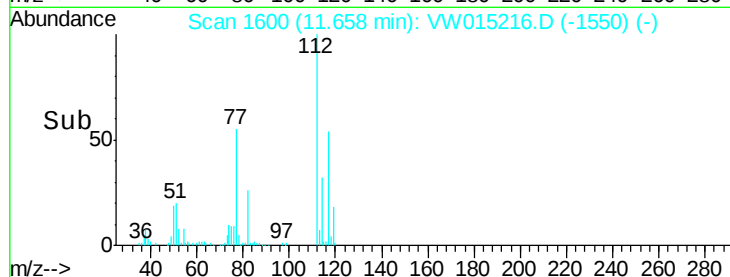
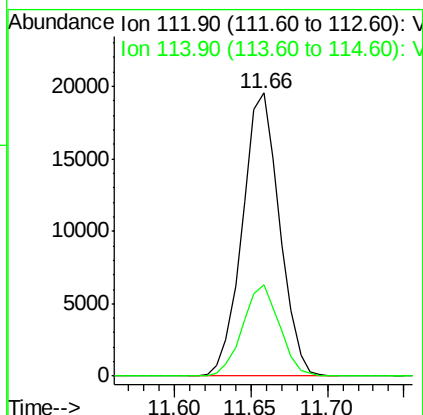
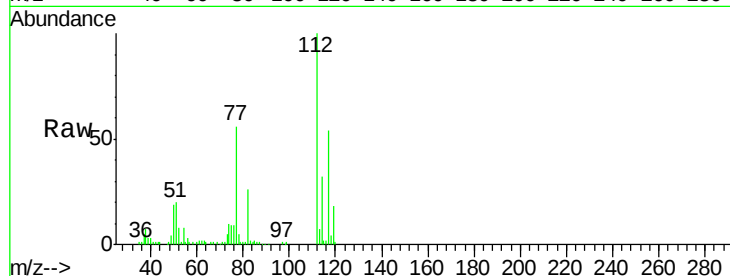
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:06 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 5.421 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

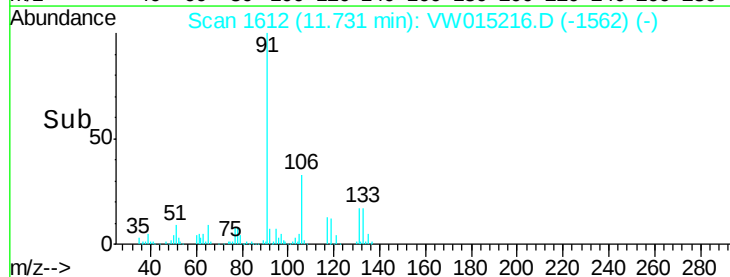
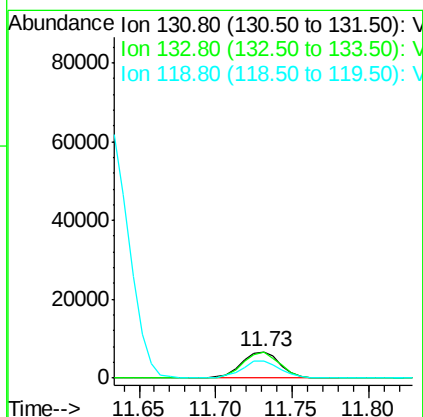
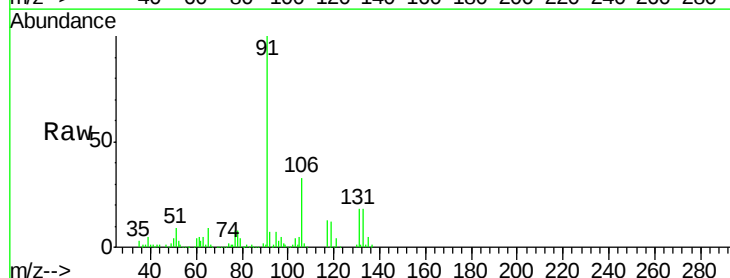
Tgt Ion:131 Resp: 11608

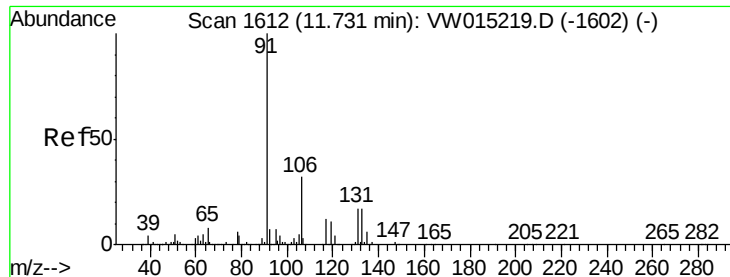
Ion Ratio Lower Upper

131 100

133 97.2 47.7 143.1

119 65.3 34.0 101.8





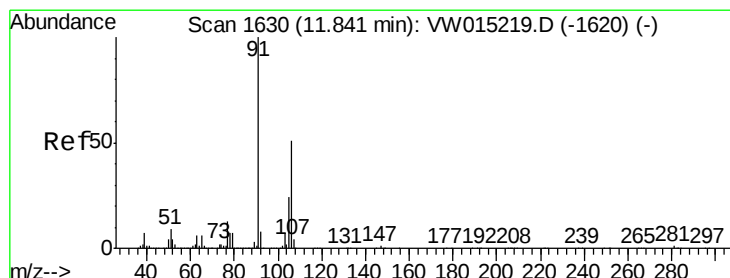
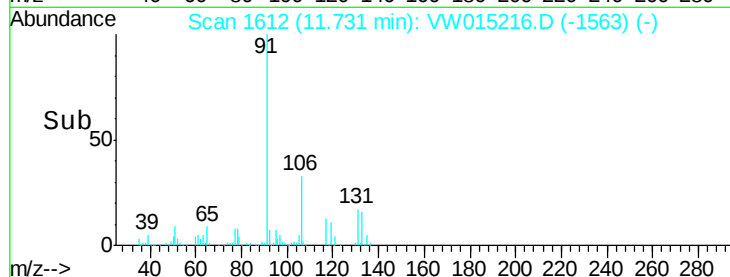
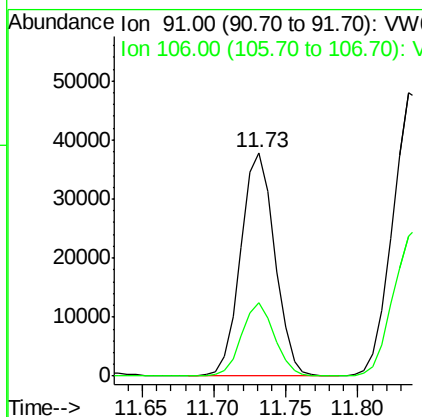
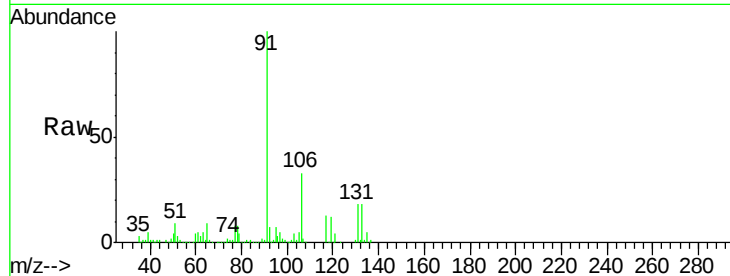
#67
Ethyl Benzene
Concen: 5.306 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5

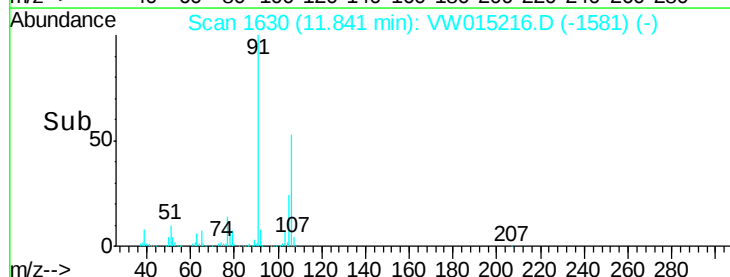
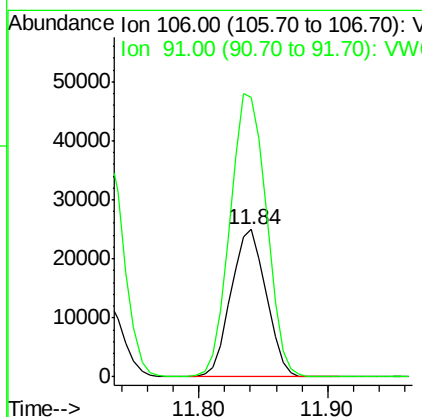
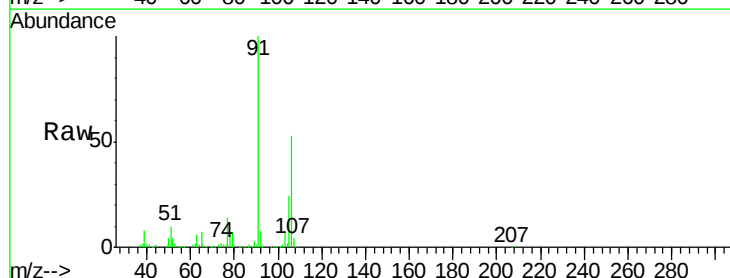
Manual Integrations
APPROVED

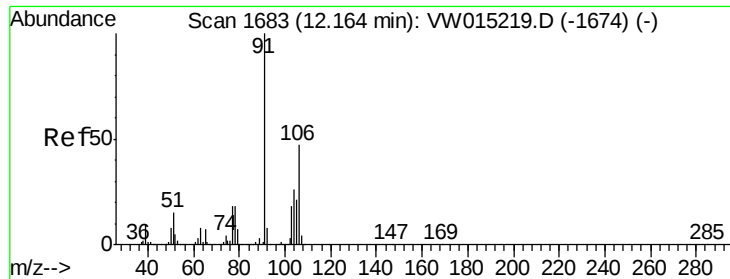
MMDadoda
4/21/2020 10:01:06 AM



#68
m/p-Xylenes
Concen: 10.697 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.1	160.0	240.0





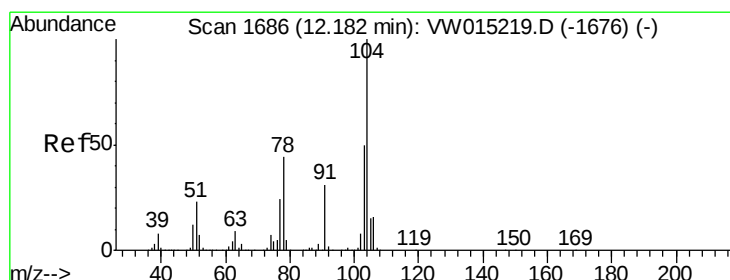
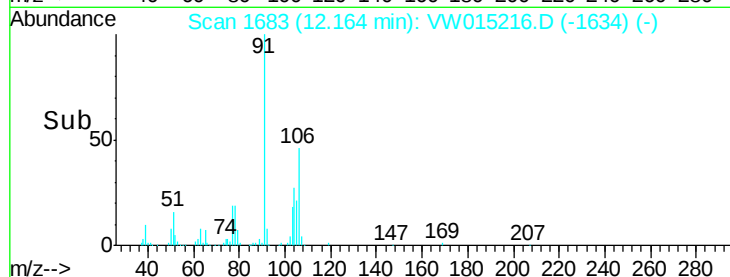
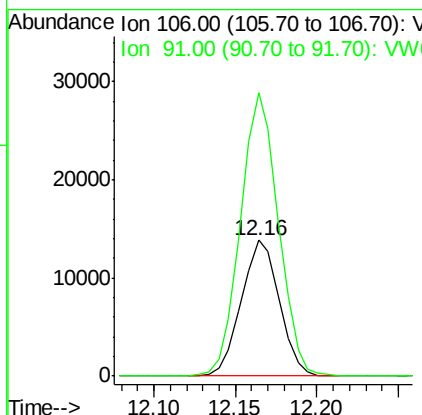
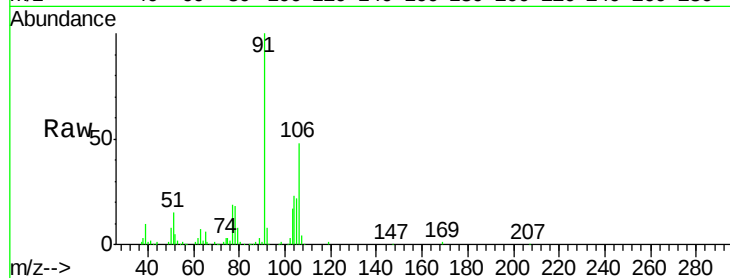
#69
o-Xylene
Concen: 5.406 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 22490
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.1

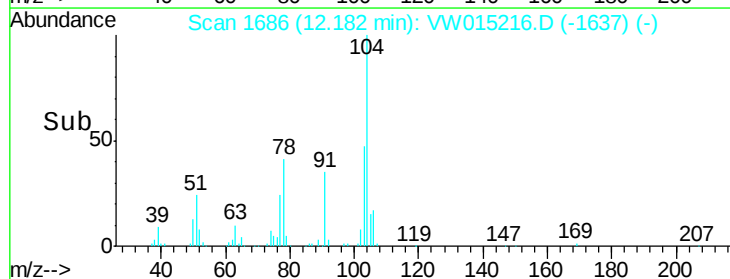
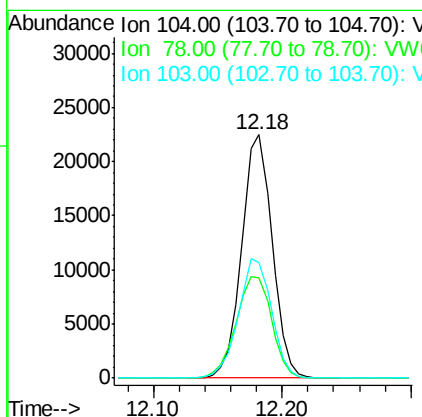
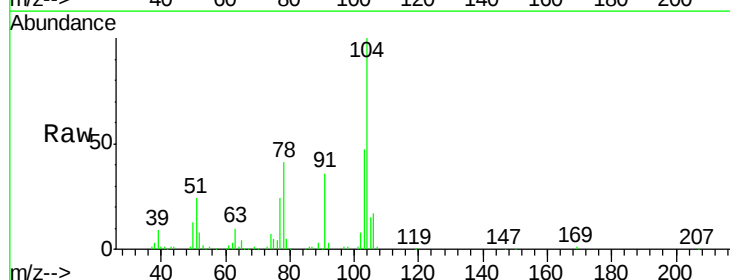
Manual Integrations
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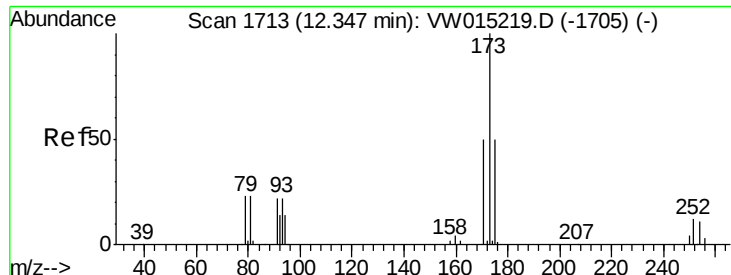
MMDadoda
4/21/2020 10:01:06 AM



#70
Styrene
Concen: 5.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion:104 Resp: 36843
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 53.2 43.8 65.6





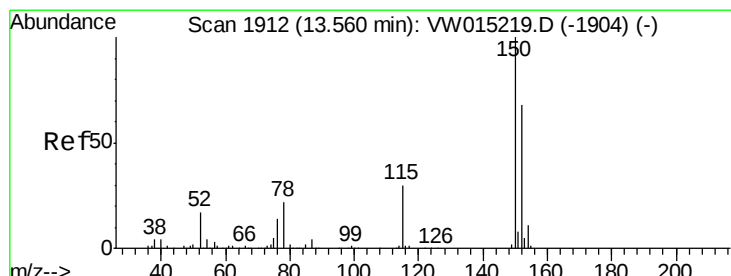
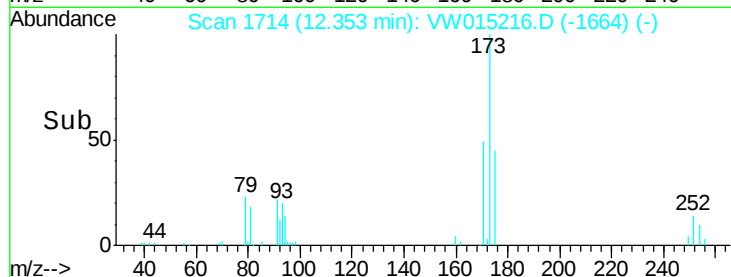
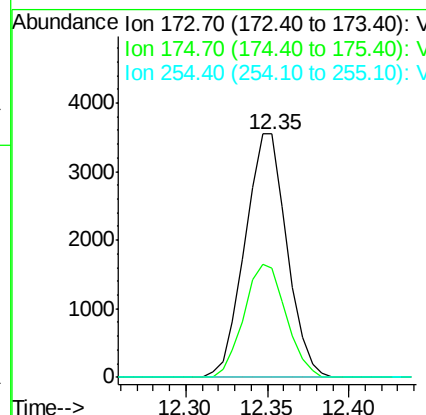
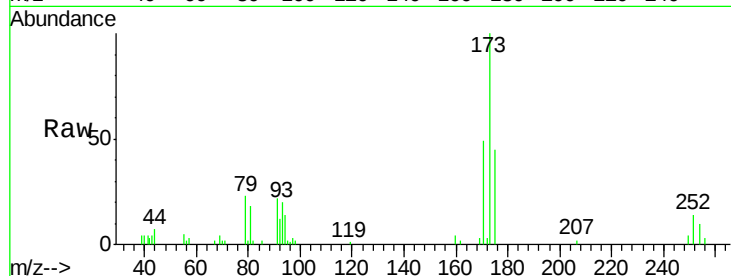
#71
Bromoform
Concen: 5.961 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	25.1	75.4
254	0.0	0.1	0.1#

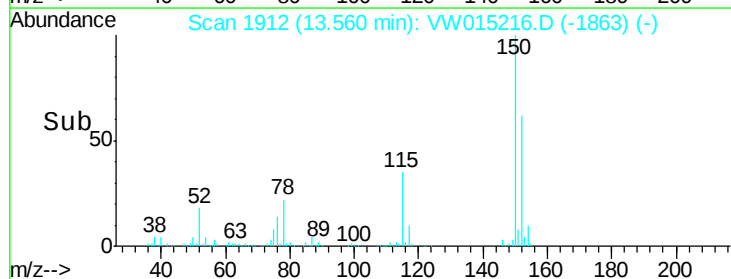
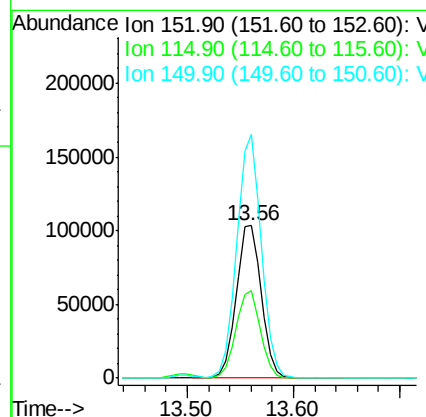
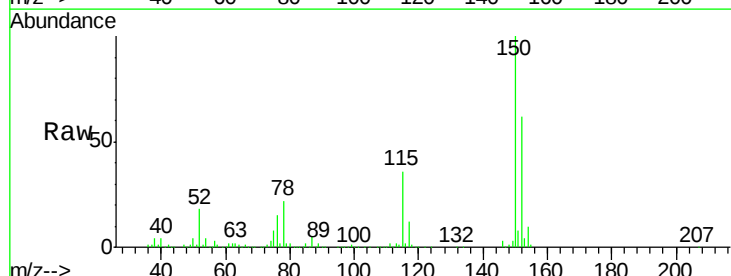
Manual Integrations
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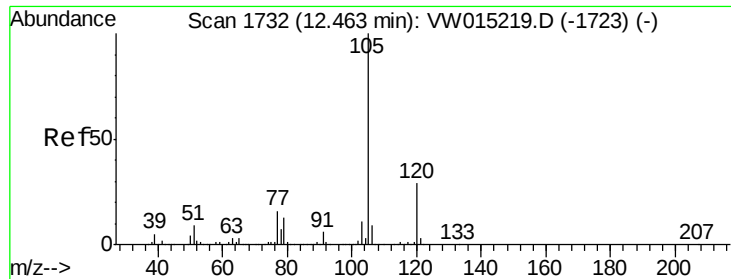
MMDadoda
4/21/2020 10:01:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	31.3	93.9
150	156.5	0.0	343.4





#73

Isopropylbenzene

Concen: 4.919 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62365

Ion Ratio Lower Upper

105 100

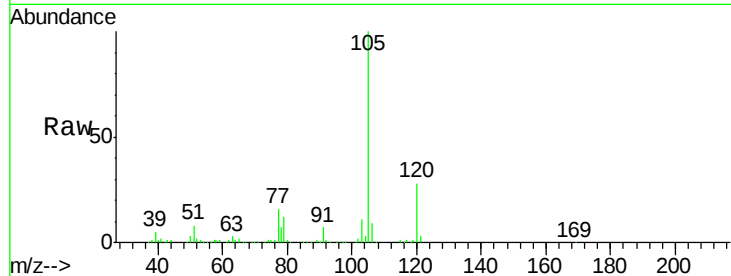
120 27.5 13.7 41.1

Manual Integrations

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MMDadoda

4/21/2020 10:01:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

40000

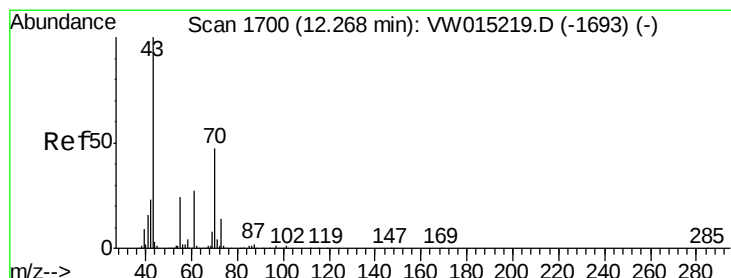
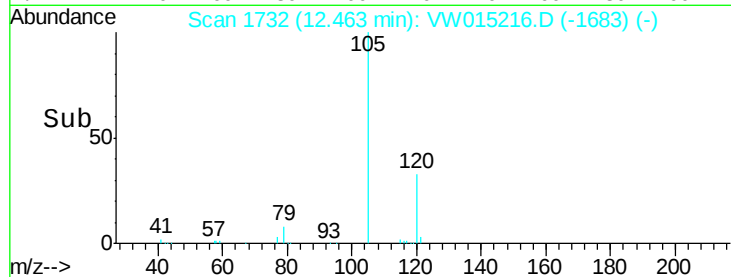
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 3.386 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion: 43 Resp: 9981

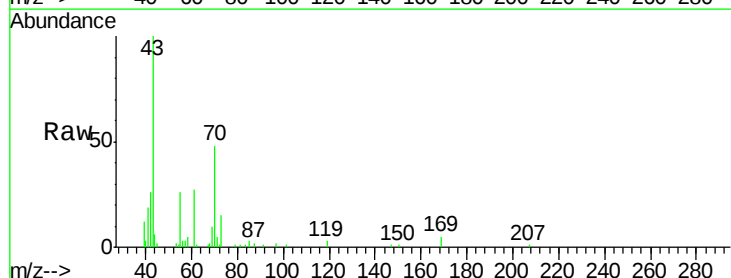
Ion Ratio Lower Upper

43 100

70 48.2 35.4 53.2

55 24.6 18.5 27.7

61 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

10000

8000

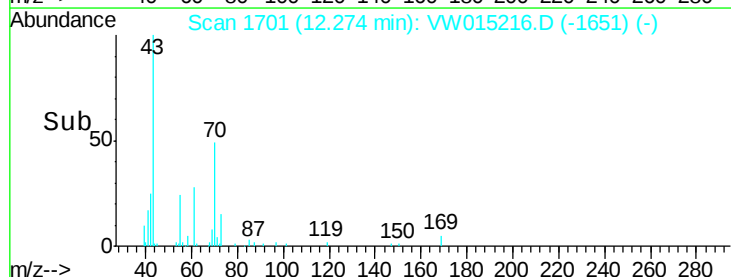
6000

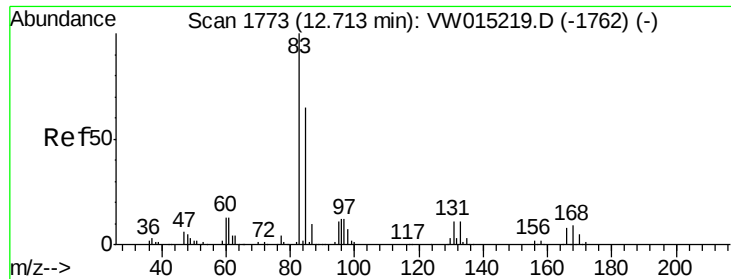
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.144 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

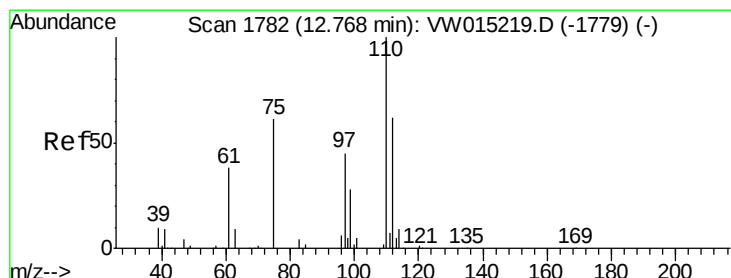
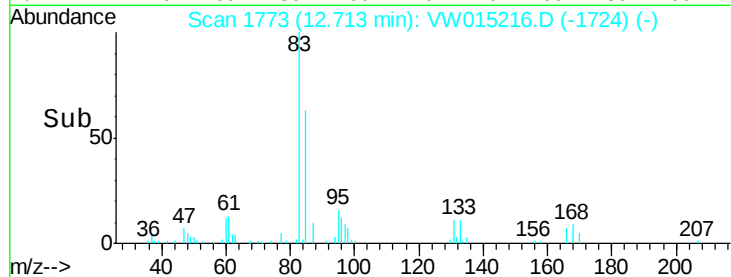
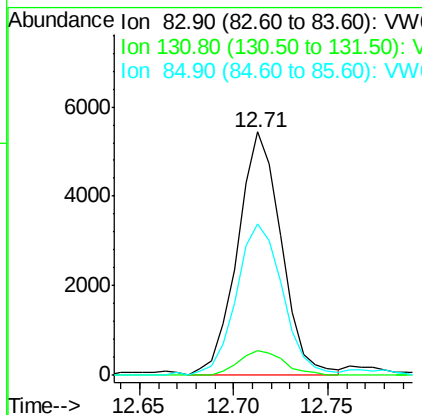
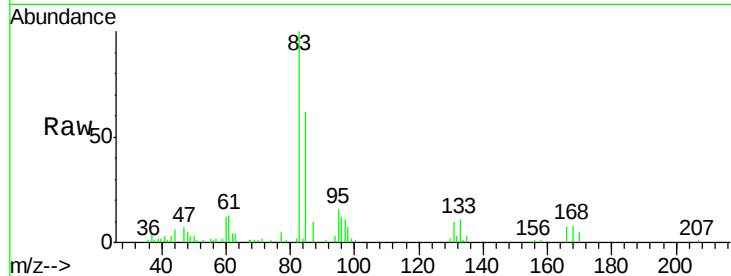
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8803
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.2
85	65.7	32.3	96.8

Manual Integrations
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MMDadoda
4/21/2020 10:01:06 AM



#76

1,2,3-Trichloropropane

Concen: 4.660 ug/l m

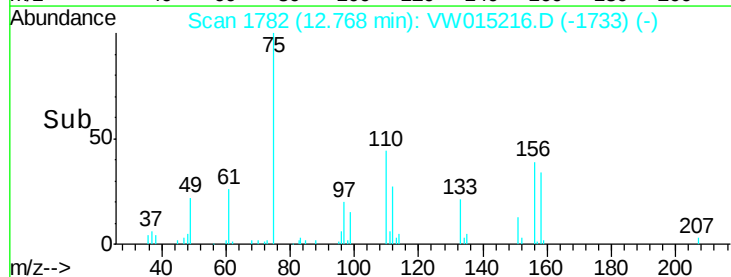
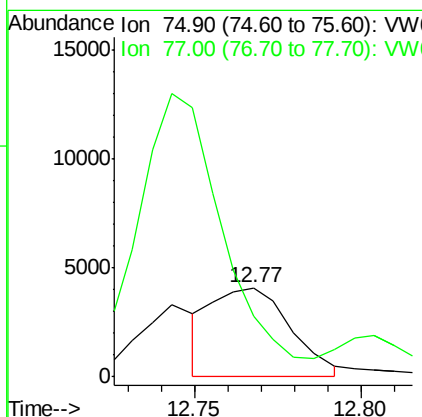
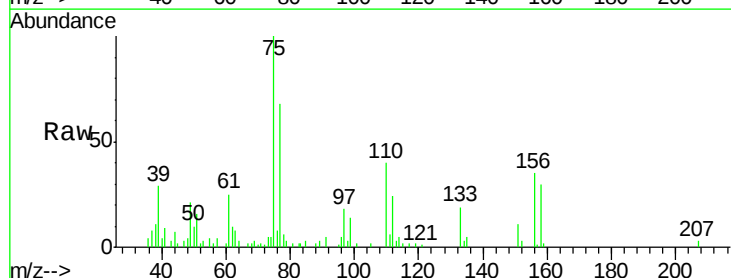
RT: 12.77 min Scan# 1782

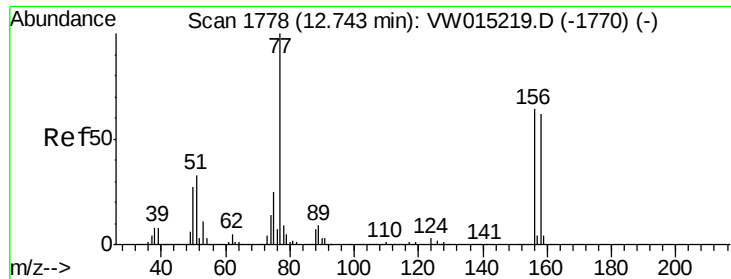
Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion:	75	Resp:	6782
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





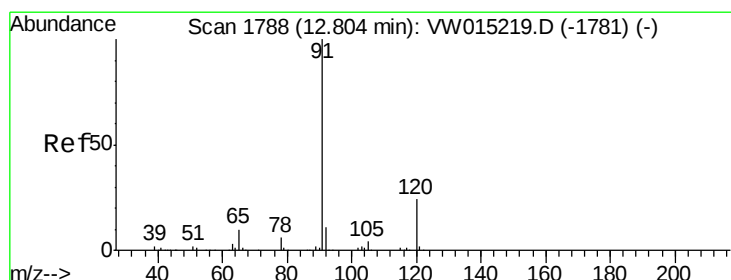
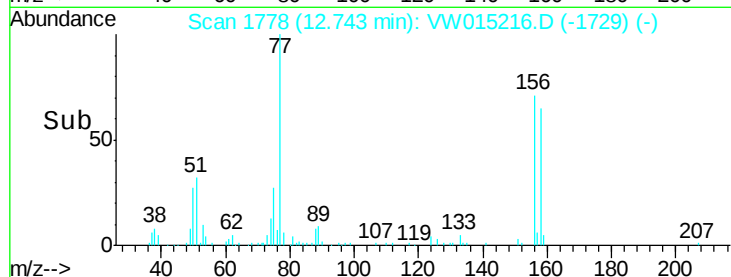
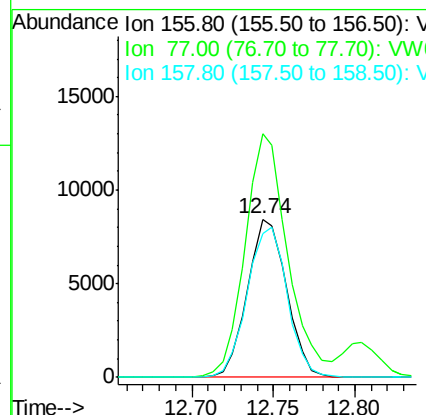
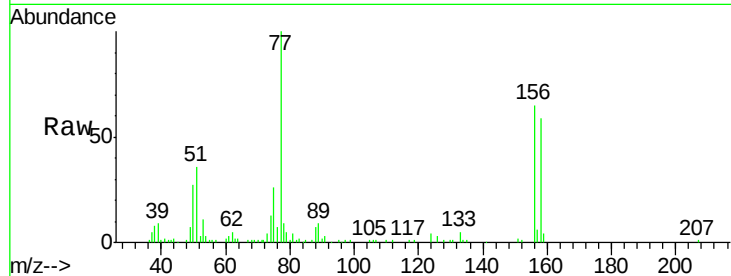
#77
Bromobenzene
Concen: 5.387 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.9	100.5	301.5
158	96.9	47.9	143.8

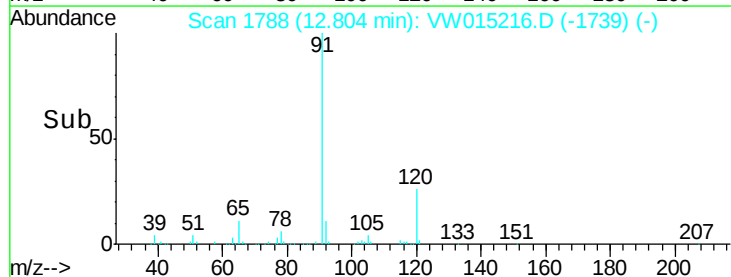
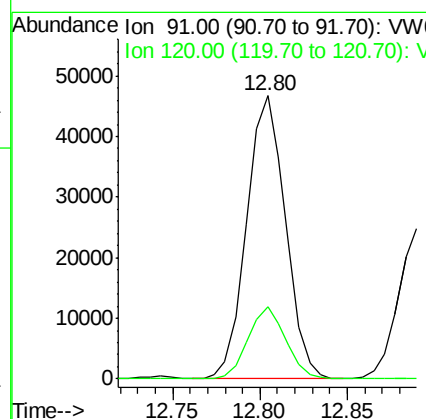
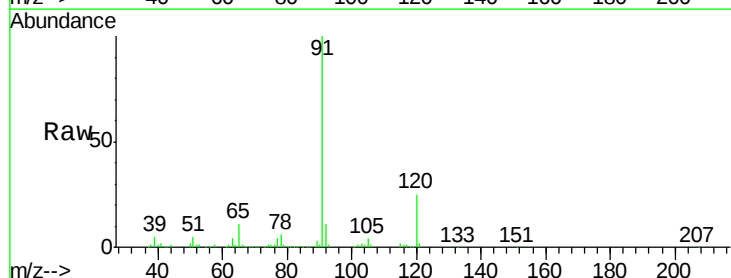
Manual Integrations
APPROVED

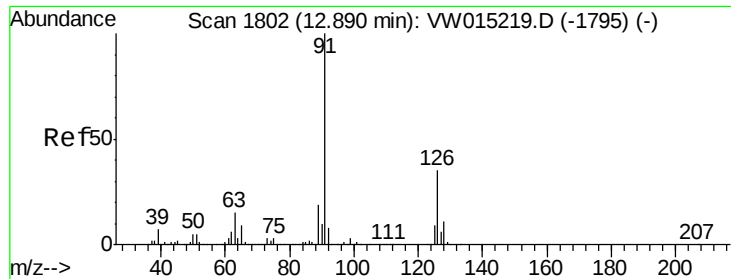
MMDadoda
4/21/2020 10:01:06 AM



#78
n-propylbenzene
Concen: 4.700 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.4	34.1





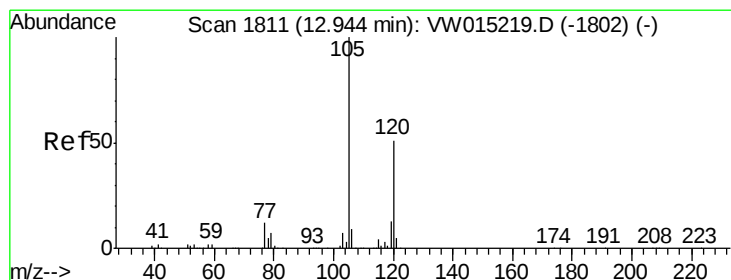
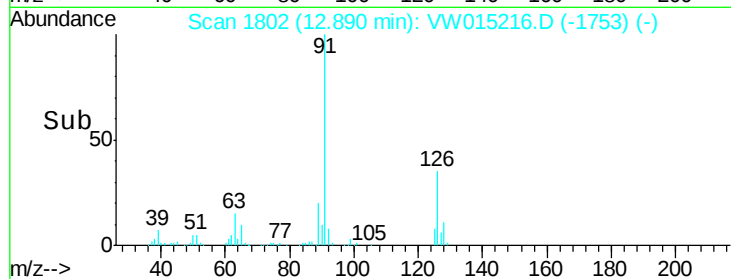
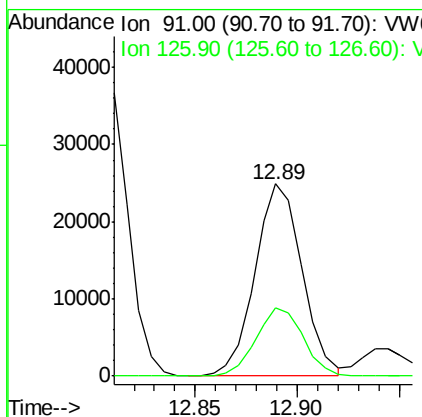
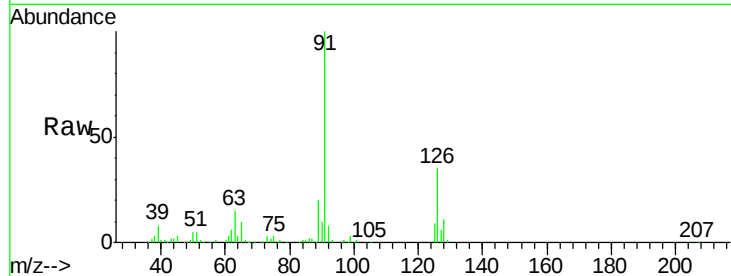
#79
2-Chlorotoluene
Concen: 4.696 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 39694
Ion Ratio Lower Upper
91 100
126 36.0 16.8 50.4

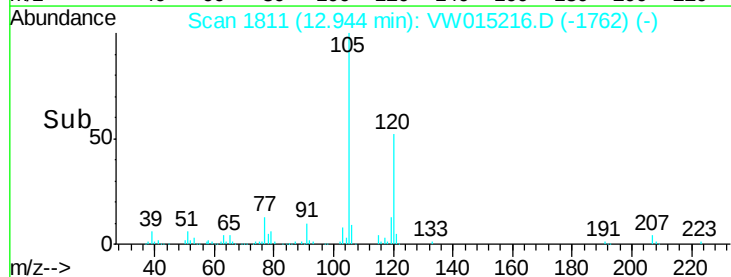
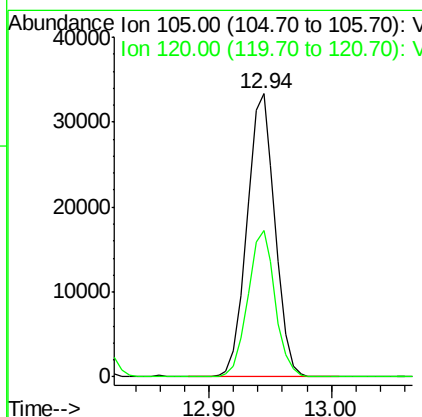
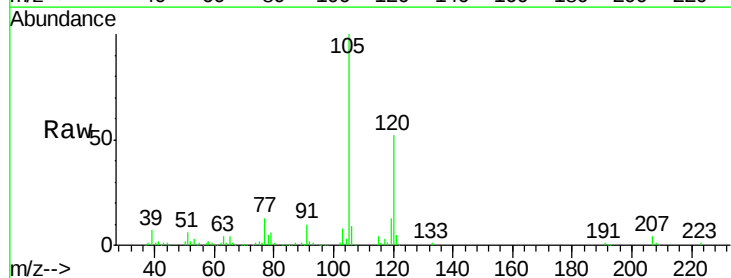
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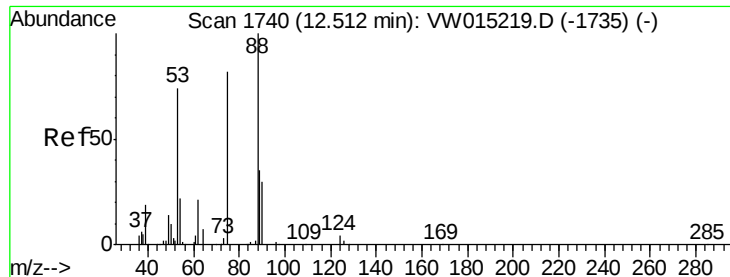
MMDadoda
4/21/2020 10:01:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.961 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion: 105 Resp: 52961
Ion Ratio Lower Upper
105 100
120 50.2 24.9 74.8





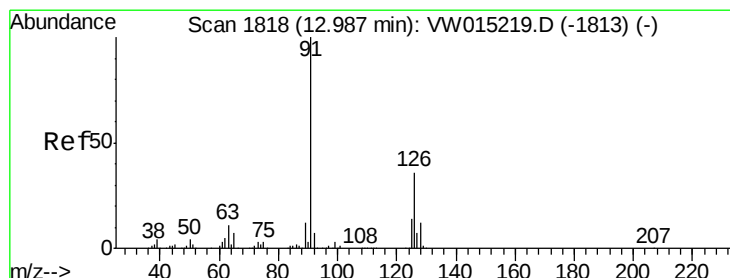
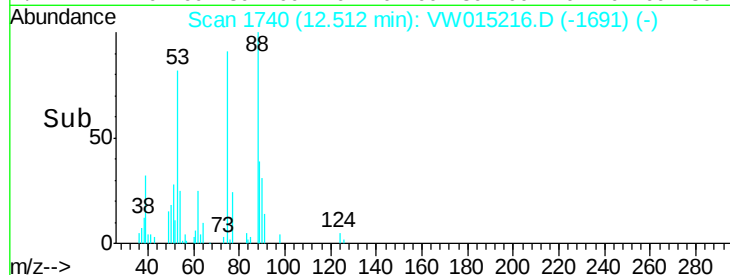
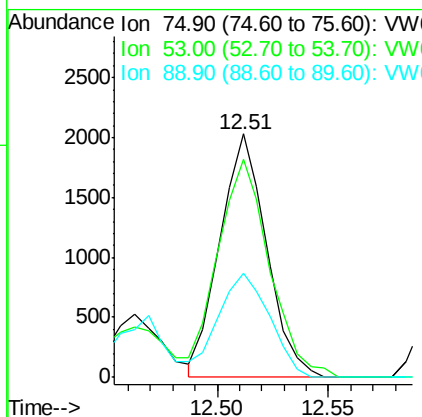
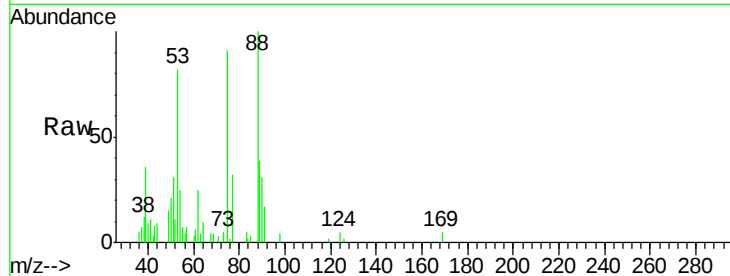
#81
trans-1,4-Dichloro-2-butene
Concen: 3.927 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	69.4	104.2
89	47.0	34.8	52.2

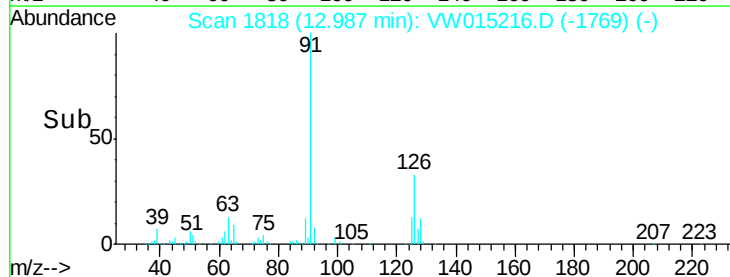
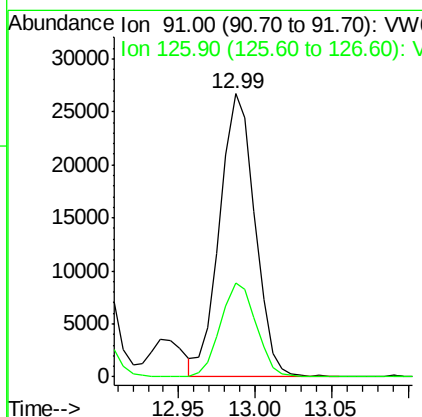
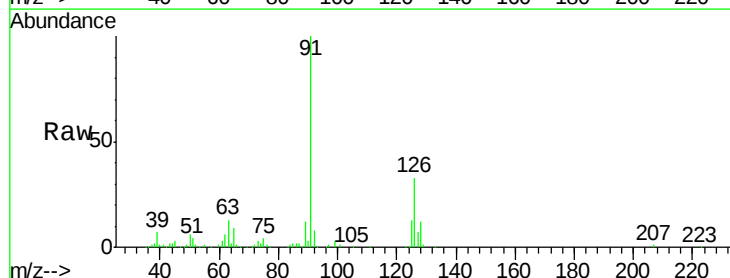
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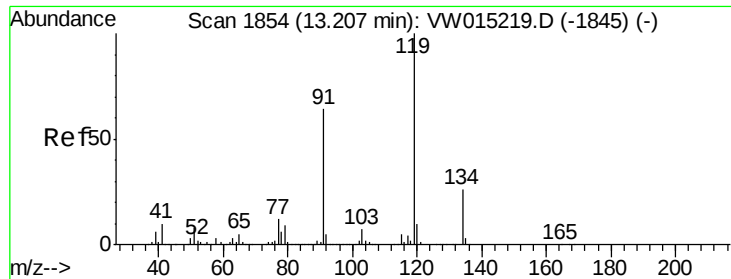
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.743 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.3





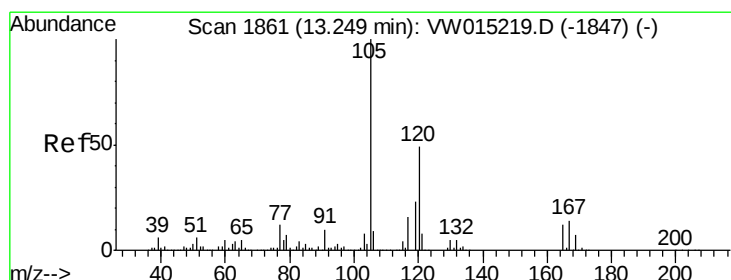
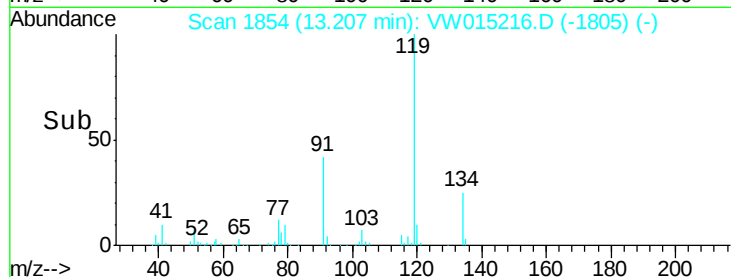
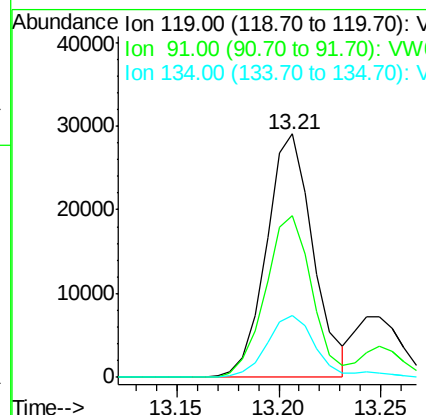
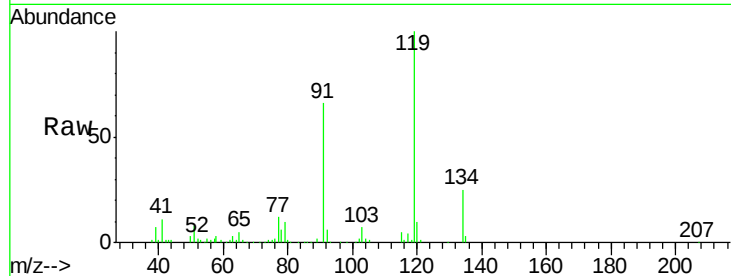
#83
tert-Butylbenzene
Concen: 4.999 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.8	98.3
134	27.2	13.3	39.9

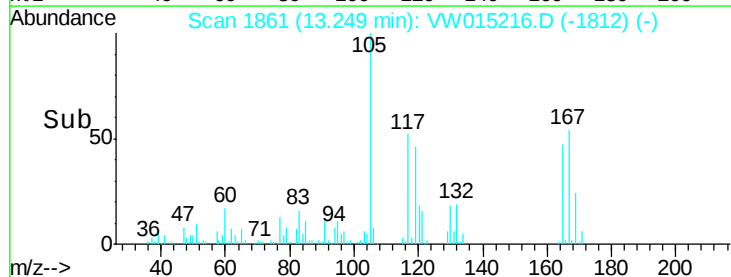
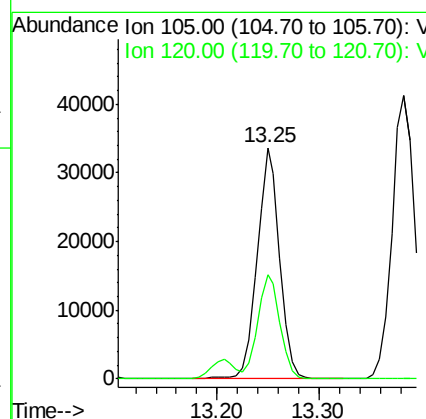
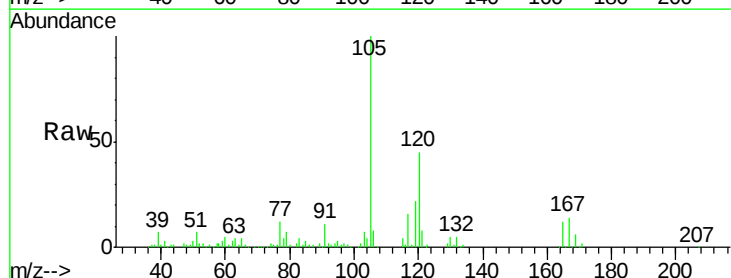
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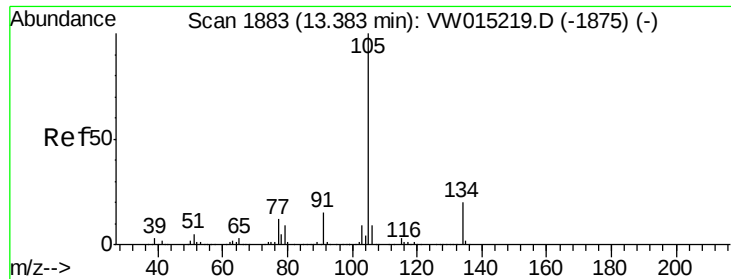
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.865 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.0	69.0





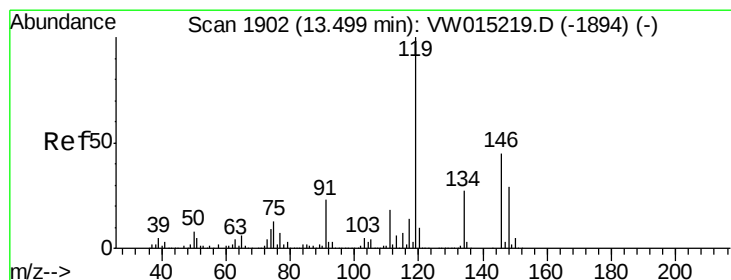
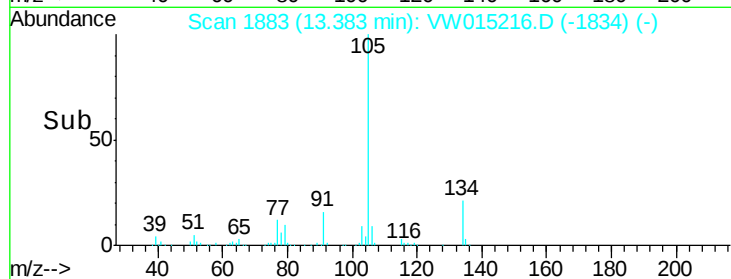
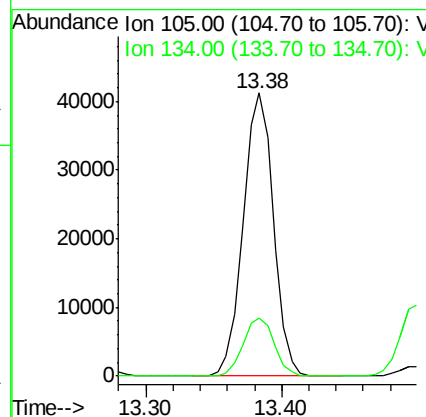
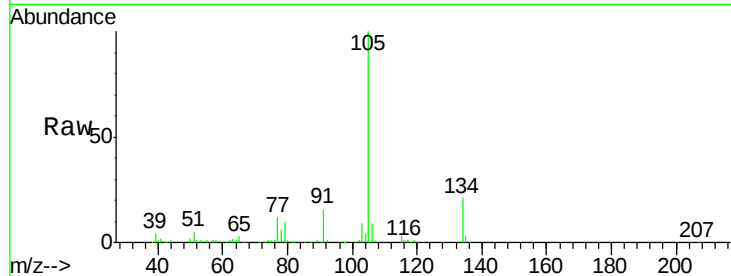
#85
 sec-Butylbenzene
 Concen: 4.862 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.1	30.1

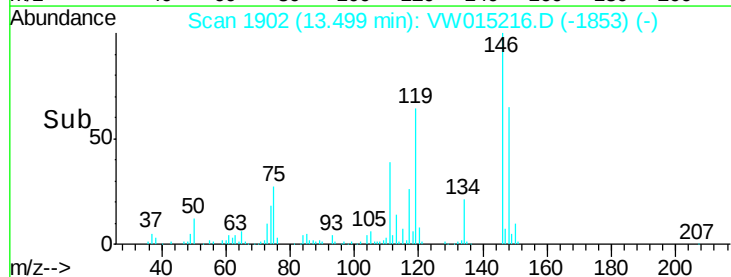
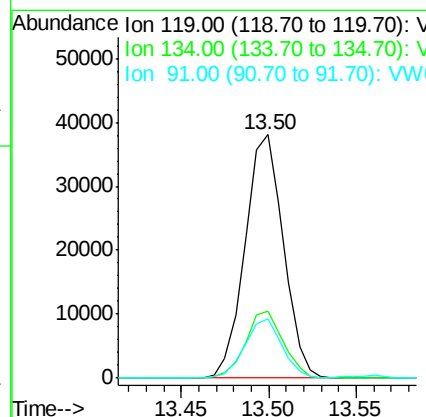
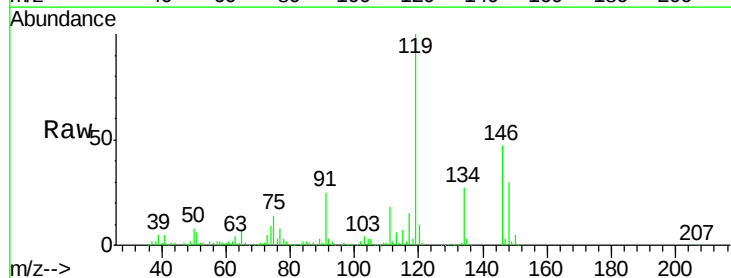
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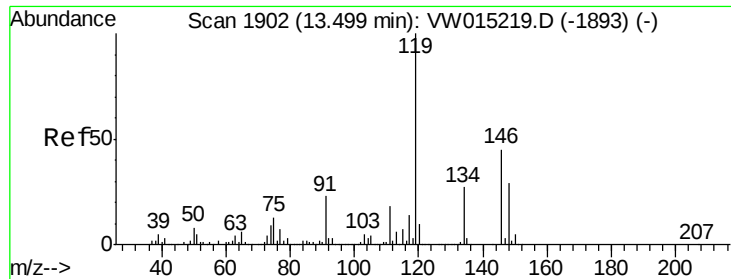
MMDadoda
 4/21/2020 10:01:06 AM



#86
 p-Isopropyltoluene
 Concen: 4.959 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.9
91	24.0	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 5.335 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015216.D

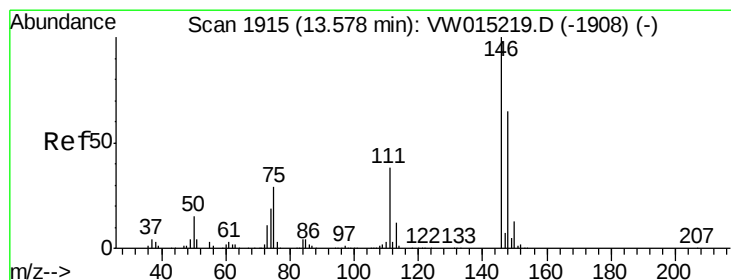
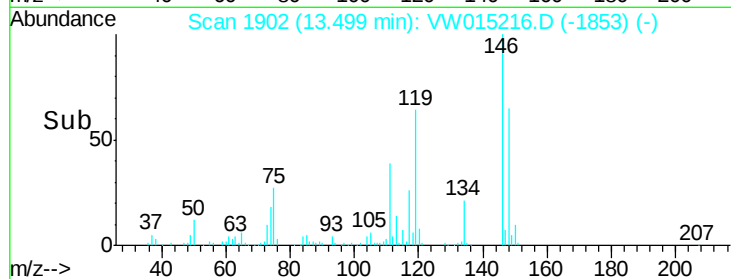
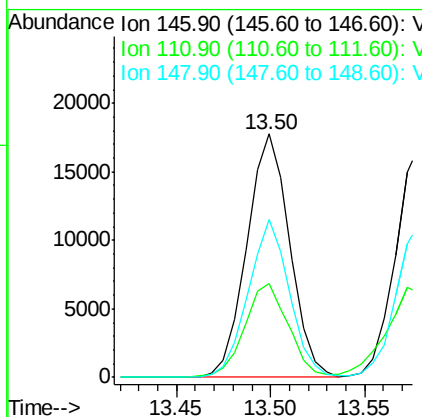
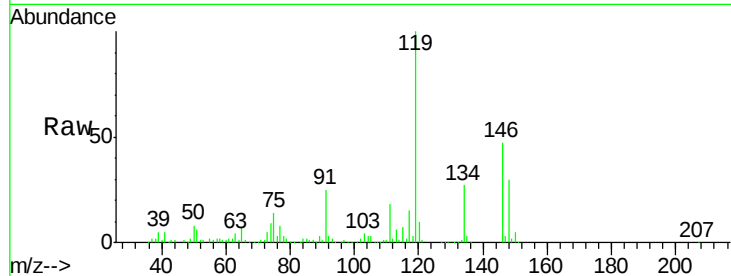
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.4
148	62.4	31.8	95.3

Manual Integrations
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4/21/2020 10:01:06 AM



#88

1,4-Dichlorobenzene

Concen: 5.218 ug/l

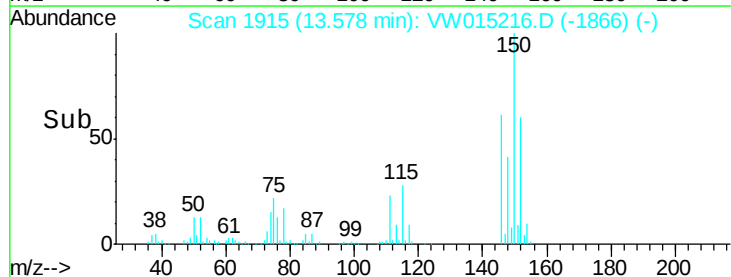
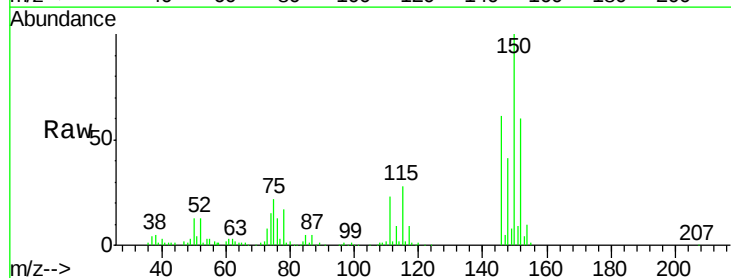
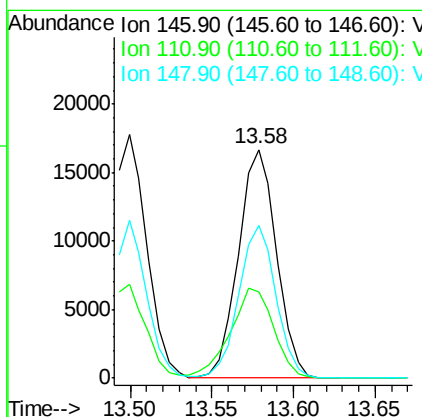
RT: 13.58 min Scan# 1915

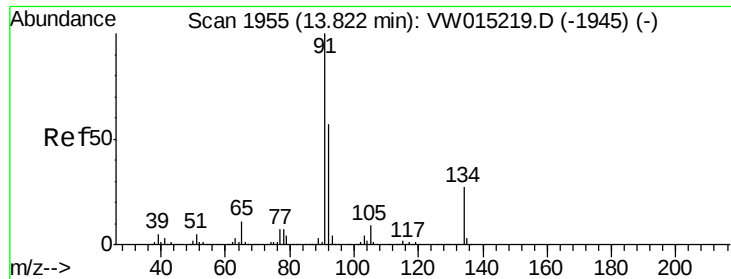
Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.4	61.3
148	65.4	31.5	94.5





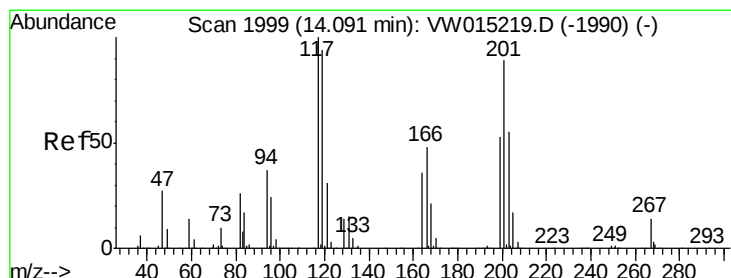
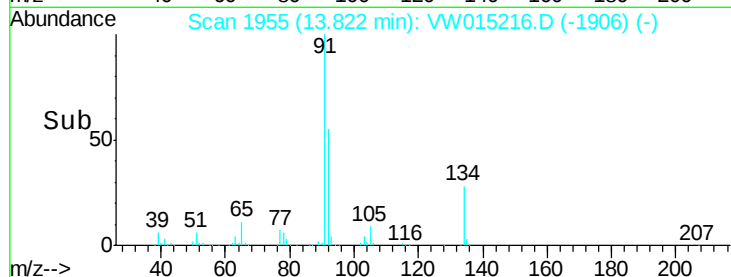
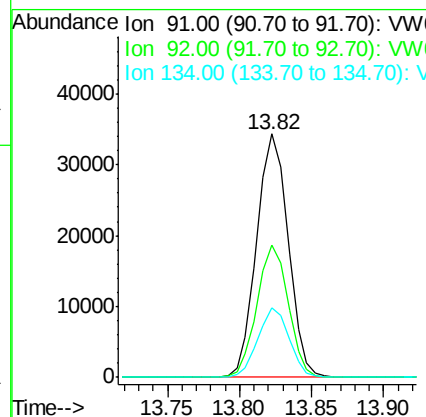
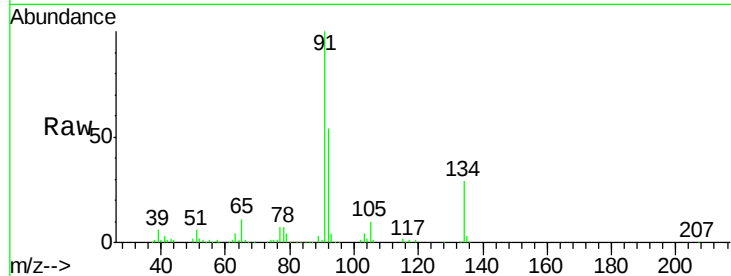
#89
n-Butylbenzene
Concen: 4.487 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	28.0	12.8	38.3

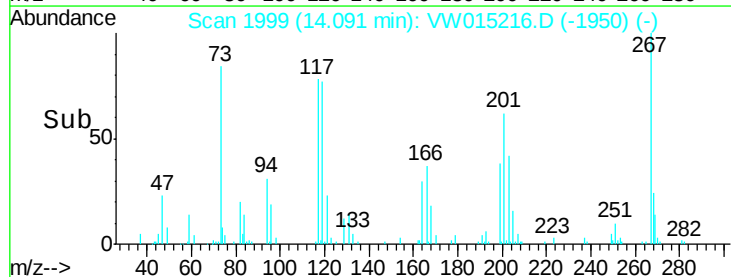
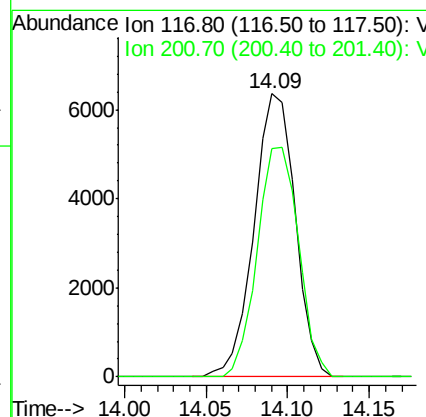
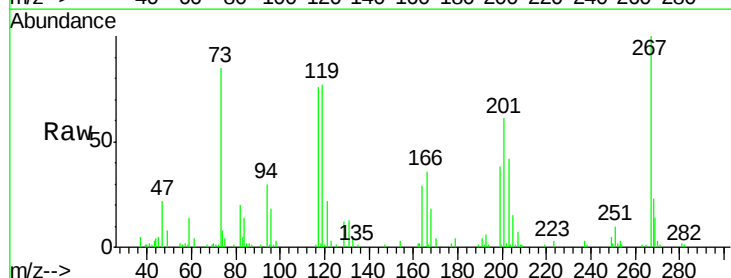
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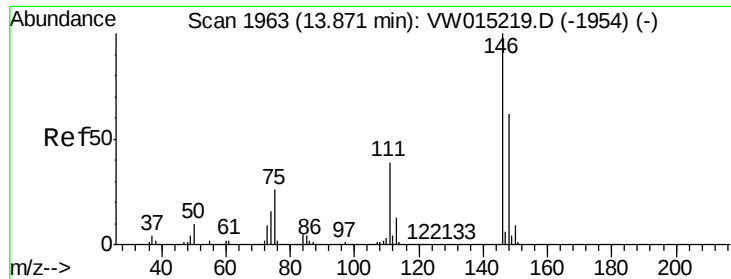
MMDadoda
4/21/2020 10:01:06 AM



#90
Hexachloroethane
Concen: 4.953 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015216.D
Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	33.6	100.6





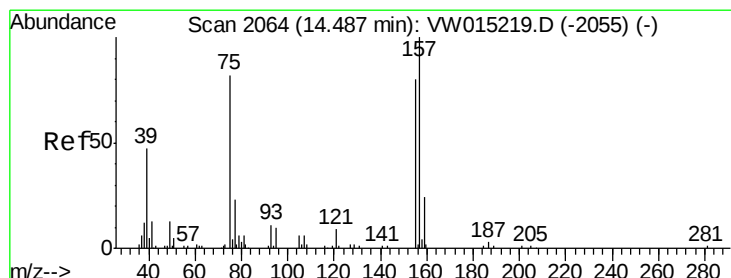
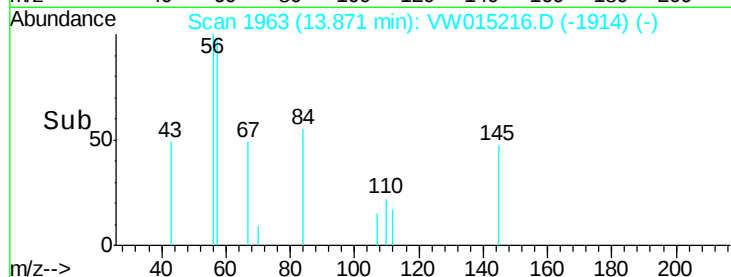
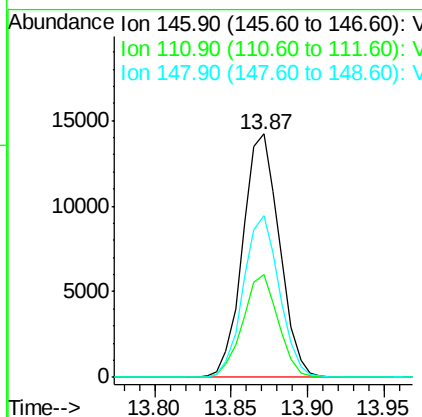
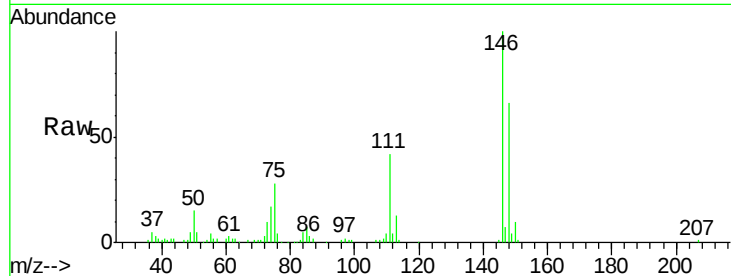
#91
 1,2-Dichlorobenzene
 Concen: 5.095 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

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

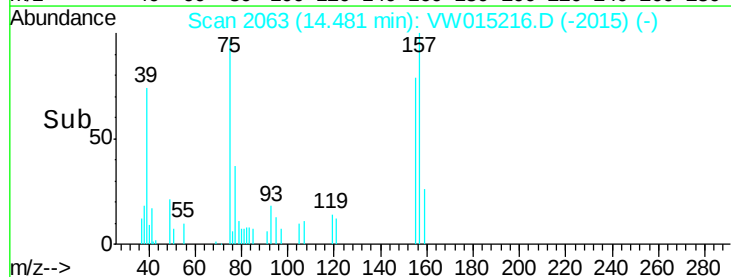
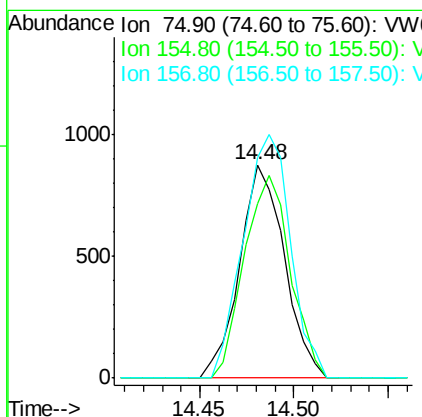
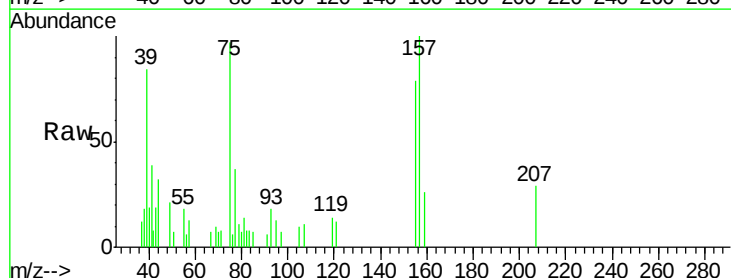
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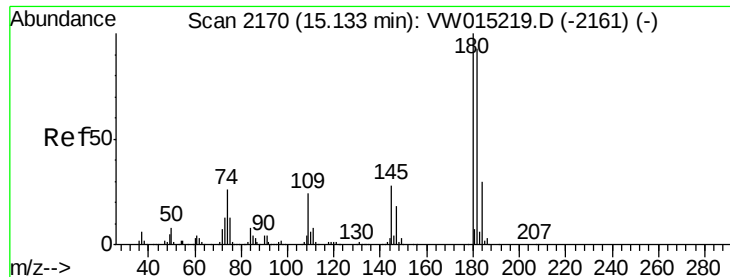
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.204 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	41.6	124.9
157	120.2	53.8	161.2





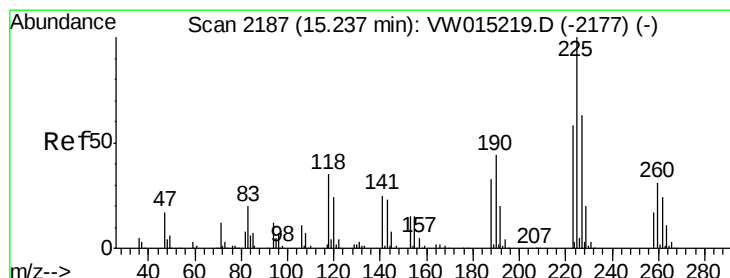
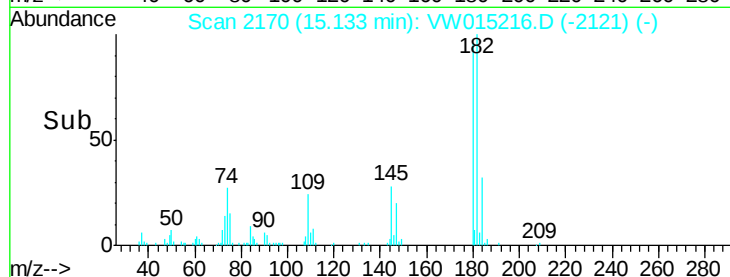
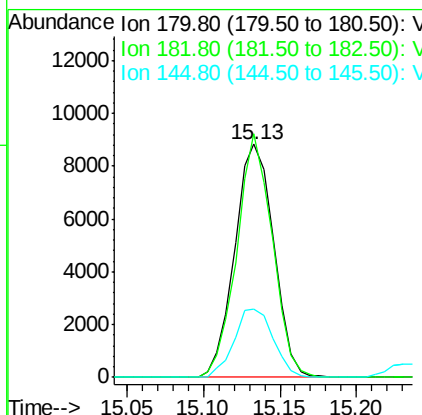
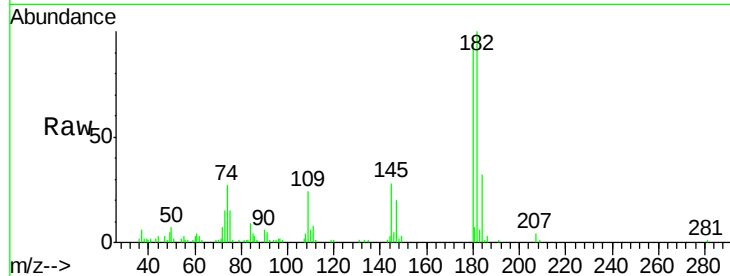
#93
 1,2,4-Trichlorobenzene
 Concen: 5.083 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.1	141.4	
145	29.5	16.2	48.6	

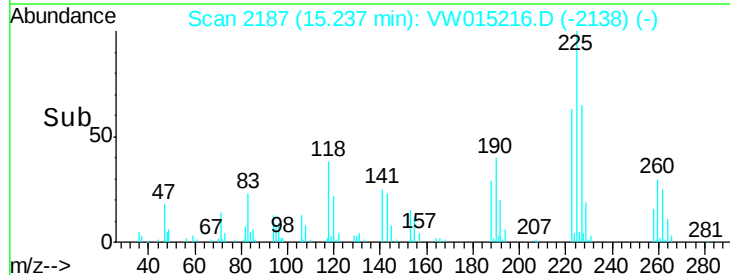
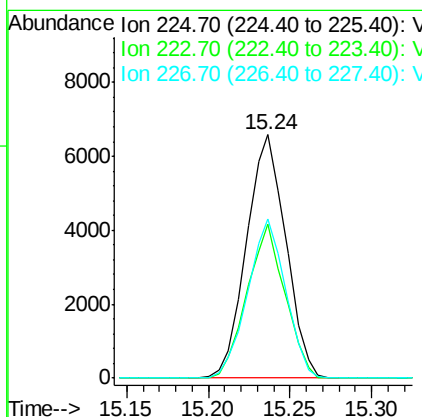
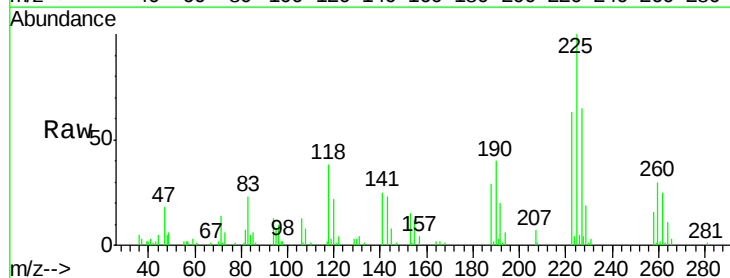
Manual Integrations
 APPROVED

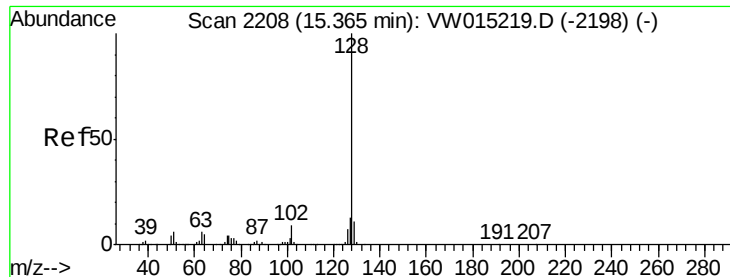
MMDadoda
 4/21/2020 10:01:06 AM



#94
 Hexachlorobutadiene
 Concen: 6.228 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015216.D
 Acq: 20 Apr 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	31.0	93.0	
227	62.8	30.8	92.3	





#95

Naphthalene

Concen: 4.146 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Instrument :

MSVOA_W

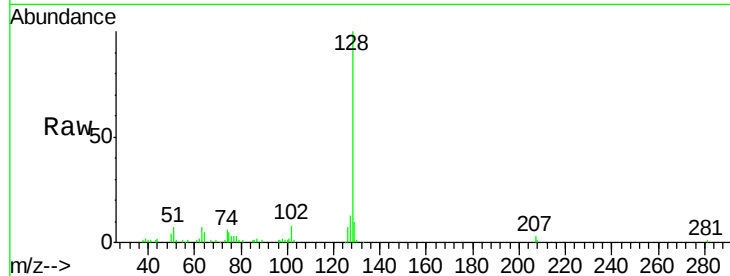
ClientSampleId :

VSTDIC005

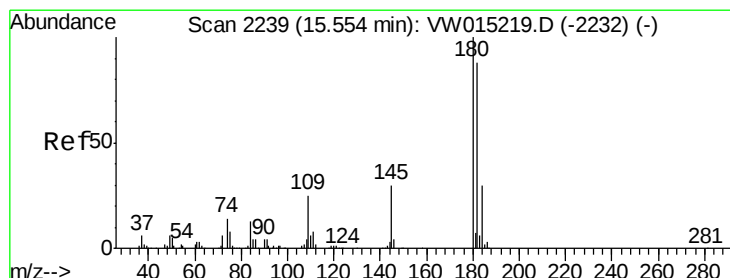
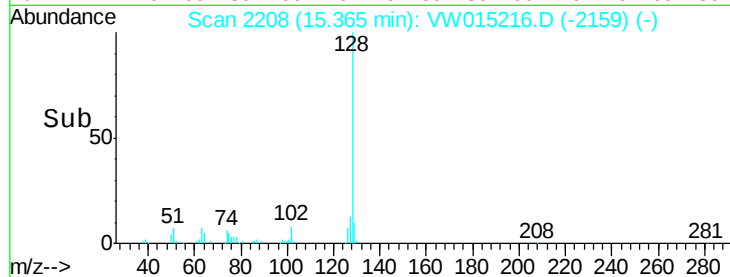
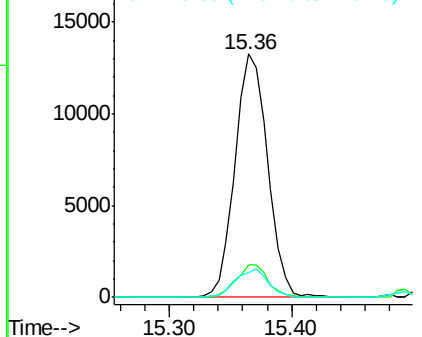
Tot Ion:	128	Resp:	24489
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:06 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.842 ug/l

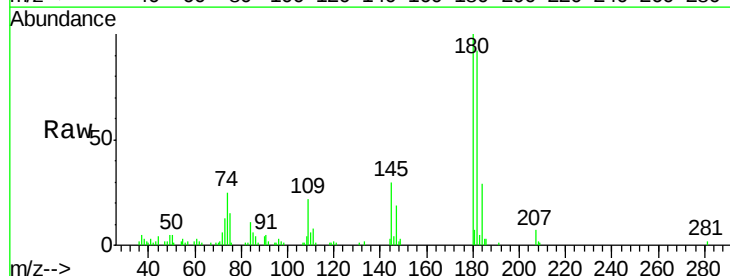
RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW015216.D

Acq: 20 Apr 2020 12:01

Tgt Ion:	180	Resp:	12758
Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.8	146.3
145	32.9	17.2	51.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

