

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015525.D
 Acq On : 02 Jun 2020 13:23
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:21 PM

Quant Time: Jun 02 13:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	348381	138.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.50%	
35) Dibromofluoromethane	7.88	113	319133	151.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.98%	
50) Toluene-d8	10.32	98	1281559	148.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.32%	
62) 4-Bromofluorobenzene	12.62	95	476078	149.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	208716	157.254	ug/l	96
3) Chloromethane	2.22	50	236832	143.554	ug/l	99
4) Vinyl Chloride	2.37	62	352194	140.378	ug/l	99
5) Bromomethane	2.78	94	253868	129.475	ug/l	98
6) Chloroethane	2.93	64	233301	135.049	ug/l	98
7) Trichlorofluoromethane	3.26	101	282986	152.707	ug/l	99
8) Diethyl Ether	3.68	74	161285	138.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	319015	147.619	ug/l	99
10) Methyl Iodide	4.28	142	488140	149.391	ug/l	98
11) Tert butyl alcohol	5.18	59	108334	707.446	ug/l	99
12) 1,1-Dichloroethene	4.04	96	321877	144.381	ug/l	95
13) Acrolein	3.89	56	100277	557.908	ug/l	99
14) Allyl chloride	4.67	41	548591	140.587	ug/l	99
15) Acrylonitrile	5.37	53	337906	705.005	ug/l	99
16) Acetone	4.12	43	401980	919.828	ug/l	98
17) Carbon Disulfide	4.38	76	962149	141.403	ug/l	99
18) Methyl Acetate	4.67	43	147207	137.687	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	491261	135.830	ug/l	98
20) Methylene Chloride	4.92	84	336006	129.783	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	366114	144.291	ug/l	99
22) Diisopropyl ether	6.32	45	1052325	138.074	ug/l	97
23) Vinyl Acetate	6.26	43	3208707	689.103	ug/l	100
24) 1,1-Dichloroethane	6.22	63	651490	142.314	ug/l	99
25) 2-Butanone	7.17	43	477421	744.686	ug/l	99
26) 2,2-Dichloropropane	7.17	77	413228	135.699	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	399104	144.431	ug/l	99
28) Bromochloromethane	7.51	49	248887	136.915	ug/l #	99
29) Tetrahydrofuran	7.53	42	282204	688.791	ug/l	99
30) Chloroform	7.68	83	652862	143.207	ug/l	99
31) Cyclohexane	7.96	56	579248	126.040	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	558567	145.912	ug/l	99
36) 1,1-Dichloropropene	8.09	75	521989	143.821	ug/l	99
37) Ethyl Acetate	7.26	43	200580	140.339	ug/l	99
38) Carbon Tetrachloride	8.07	117	518059	150.882	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	657908	143.144	ug/l	99
40) Benzene	8.32	78	1426569	143.523	ug/l	100
41) Methacrylonitrile	7.48	41	129428	141.988	ug/l	99
42) 1,2-Dichloroethane	8.40	62	436630	143.392	ug/l	100
43) Isopropyl Acetate	8.43	43	415705	138.194	ug/l	98
44) Trichloroethene	9.09	130	387428	150.164	ug/l	98
45) 1,2-Dichloropropane	9.37	63	354090	144.130	ug/l	98
46) Dibromomethane	9.46	93	181407	146.664	ug/l	98
47) Bromodichloromethane	9.65	83	500443	149.756	ug/l	99
48) Methyl methacrylate	9.44	41	200579	145.007	ug/l	100
49) 1,4-Dioxane	9.45	88	49059	3064.051	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1002610	710.252	ug/l	100
52) Toluene	10.39	92	942633	146.264	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	514542	150.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	593259	148.385	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	255157	146.205	ug/l	98
56) Ethyl methacrylate	10.65	69	349134	146.464	ug/l	98
57) 1,3-Dichloropropane	10.93	76	453444	145.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	804862	709.310	ug/l	99
59) 2-Hexanone	10.97	43	712573	737.795	ug/l	100
60) Dibromochloromethane	11.13	129	325054	154.552	ug/l	100
61) 1,2-Dibromoethane	11.24	107	249458	150.791	ug/l	99
64) Tetrachloroethene	10.86	164	319451	151.171	ug/l	93
65) Chlorobenzene	11.66	112	986691	145.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	360015	148.929	ug/l	99
67) Ethyl Benzene	11.73	91	1850242	142.384	ug/l	99
68) m/p-Xylenes	11.84	106	1390028	287.325	ug/l	99
69) o-Xylene	12.17	106	667825	147.125	ug/l	99
70) Styrene	12.18	104	1163192	148.850	ug/l	99
71) Bromoform	12.35	173	184600	155.934	ug/l #	99
73) Isopropylbenzene	12.47	105	1830582	145.871	ug/l	99
74) N-amyl acetate	12.27	43	406633	136.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	283574	143.024	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	201618m	147.643	ug/l	
77) Bromobenzene	12.75	156	400082	149.384	ug/l	100
78) n-propylbenzene	12.80	91	2159840	143.647	ug/l	100
79) 2-Chlorotoluene	12.90	91	1232636	145.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1522419	144.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	102509	145.938	ug/l	97
82) 4-Chlorotoluene	12.99	91	1267971	141.497	ug/l	100
83) tert-Butylbenzene	13.21	119	1313459	146.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1533162	145.268	ug/l	99
85) sec-Butylbenzene	13.38	105	1797040	141.786	ug/l	99
86) p-Isopropyltoluene	13.50	119	1686996	145.951	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	764026	144.282	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	757862	143.922	ug/l	98
89) n-Butylbenzene	13.82	91	1598887	142.042	ug/l	99
90) Hexachloroethane	14.09	117	314740	147.474	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	677598	146.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	48159	139.022	ug/l	96

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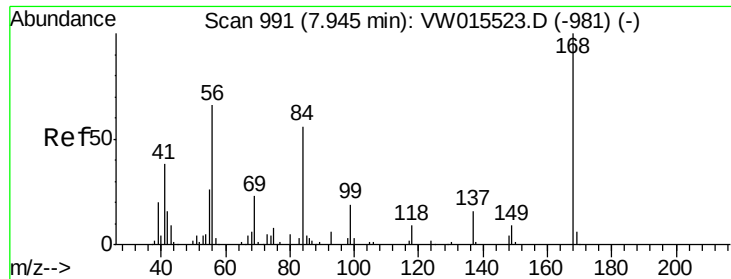
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489797	157.576	ug/l	99
94) Hexachlorobutadiene	15.24	225	287808	156.357	ug/l	99
95) Naphthalene	15.36	128	839761	150.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	408573	152.643	ug/l	99

(#) = 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. 0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 228995

Ion Ratio Lower Upper

168 100

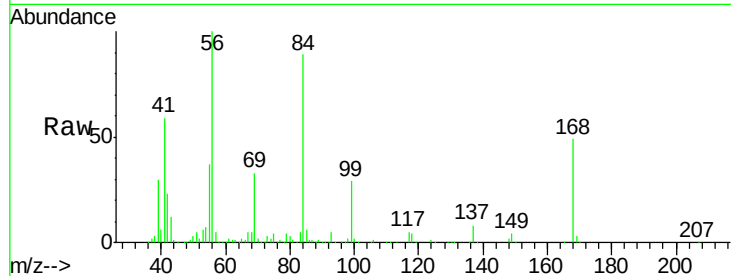
99 58.9 48.6 73.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

50000

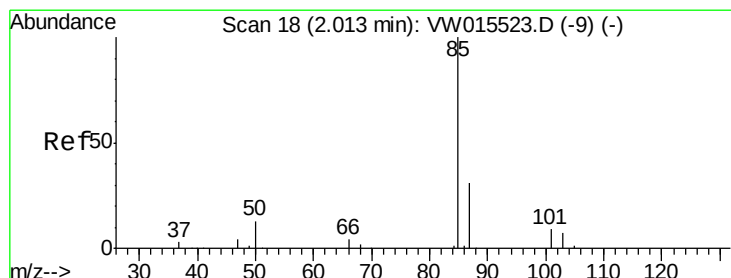
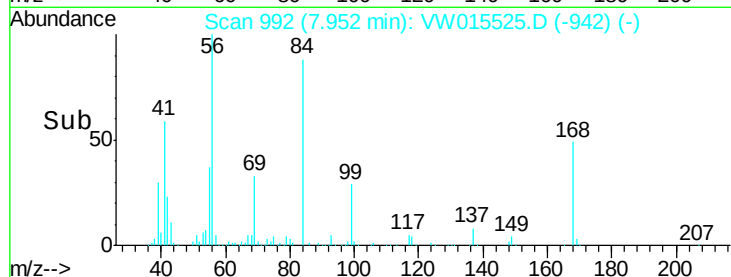
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 157.254 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015525.D

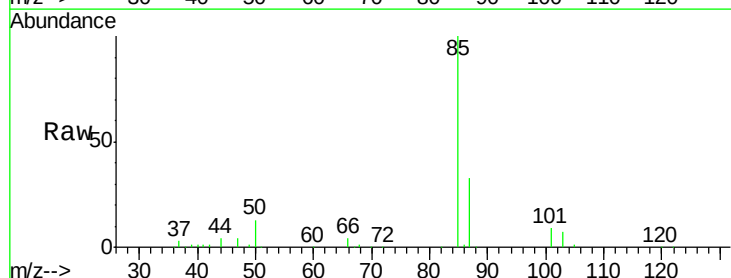
Acq: 02 Jun 2020 13:23

Tgt Ion: 85 Resp: 208716

Ion Ratio Lower Upper

85 100

87 33.1 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

40000

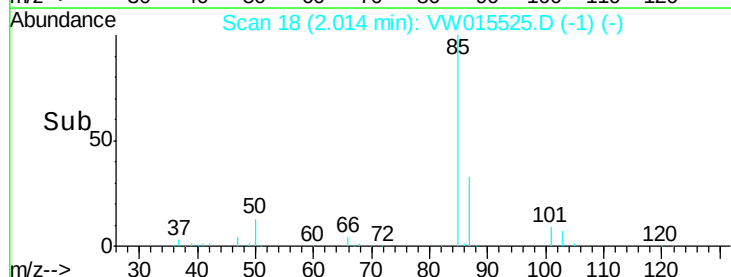
20000

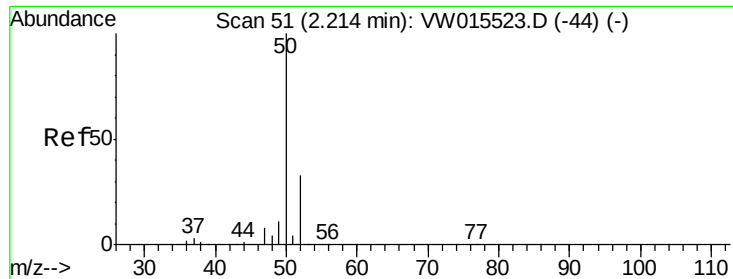
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 143.554 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 236832

Ion Ratio Lower Upper

50 100

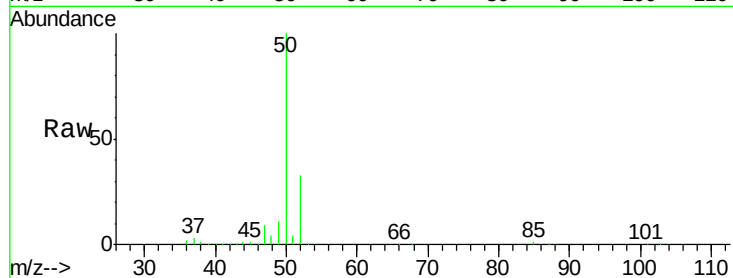
52 33.3 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

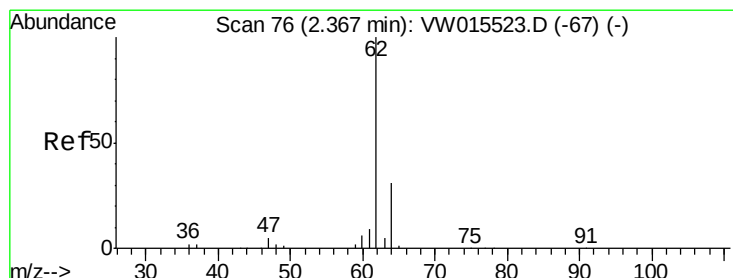
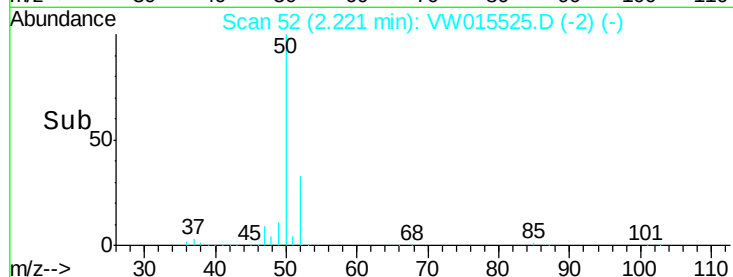
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 140.378 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015525.D

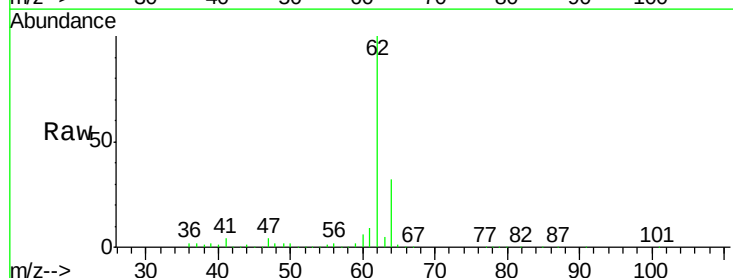
Acq: 02 Jun 2020 13:23

Tgt Ion: 62 Resp: 352194

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.37

200000

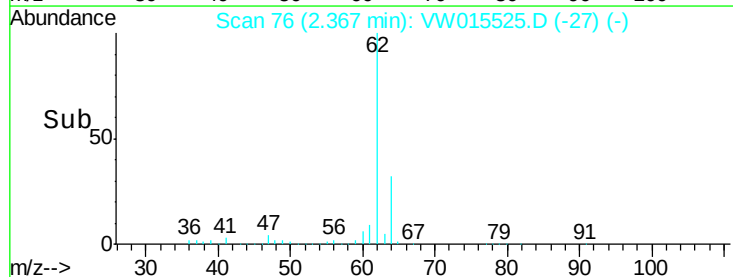
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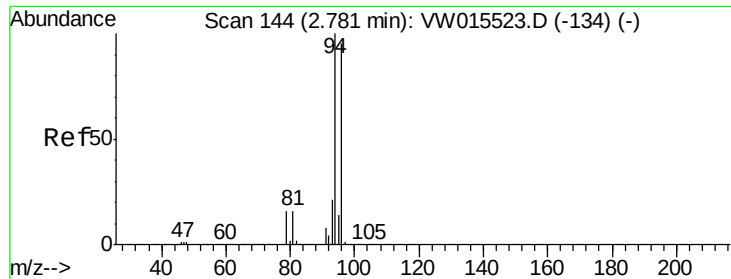
100000

50000

0

Time-->





#5

Bromomethane

Concen: 129.475 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 253868

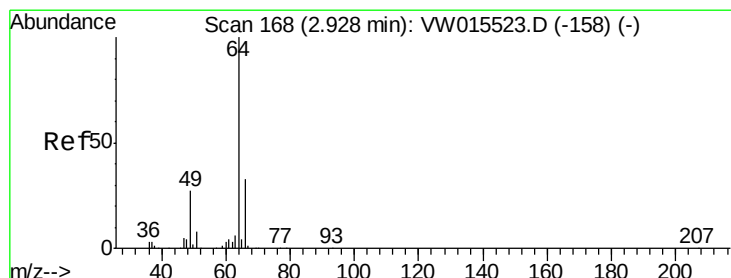
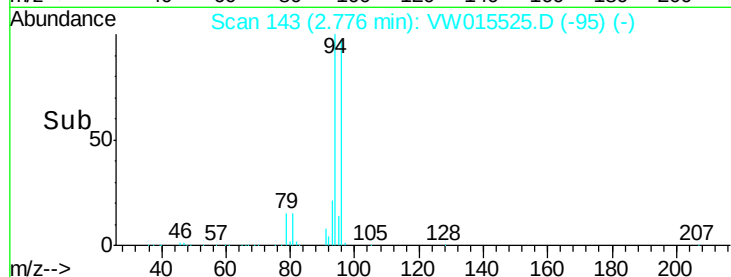
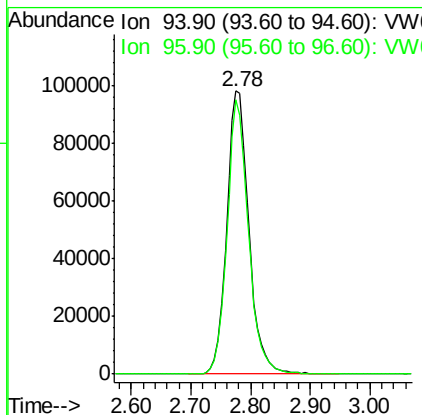
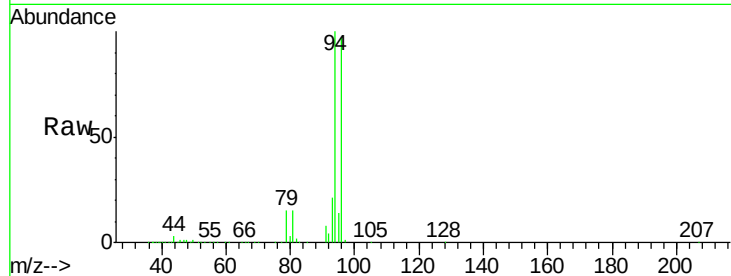
Ion Ratio Lower Upper

94 100

96 97.0 76.0 114.0

Manual Integrations
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#6

Chloroethane

Concen: 135.049 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015525.D

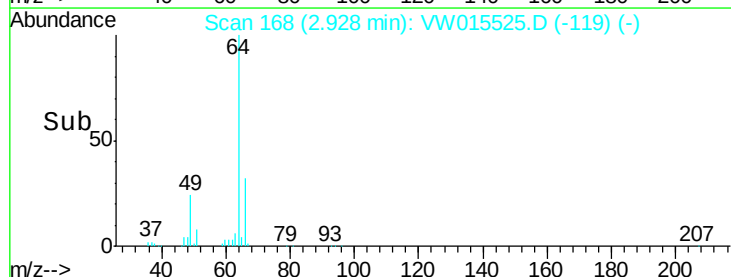
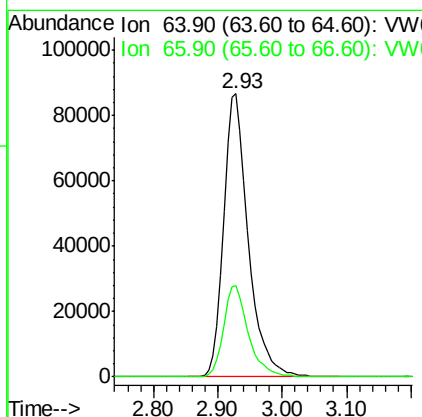
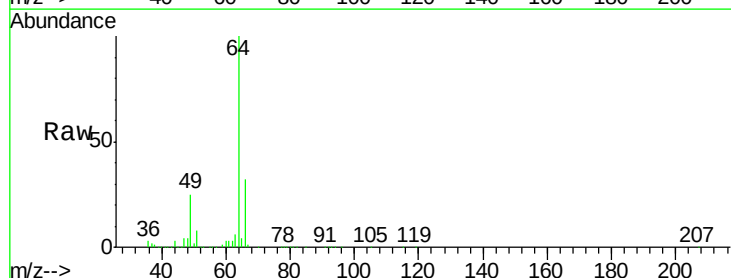
Acq: 02 Jun 2020 13:23

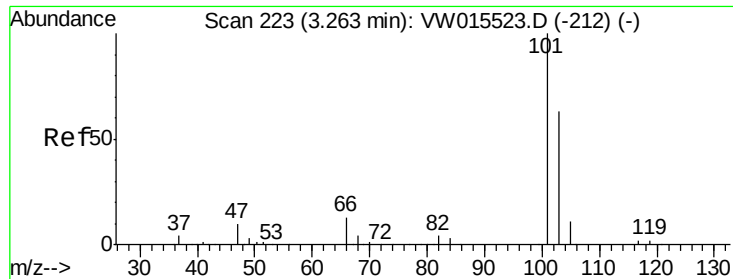
Tgt Ion: 64 Resp: 233301

Ion Ratio Lower Upper

64 100

66 32.3 26.8 40.2





#7

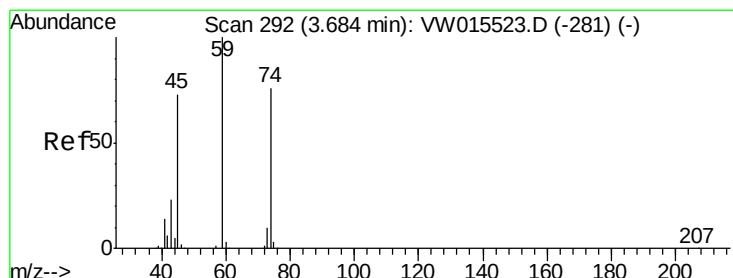
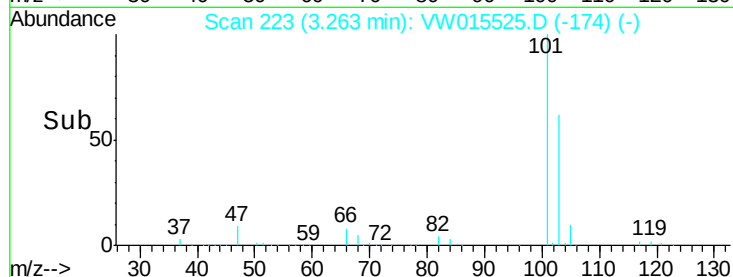
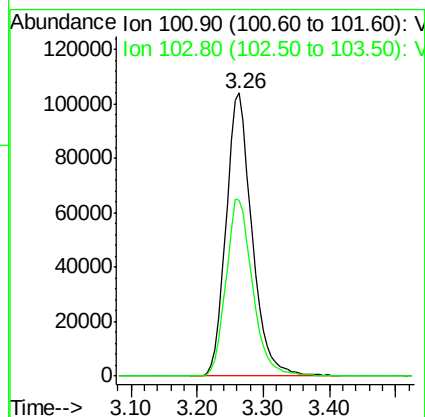
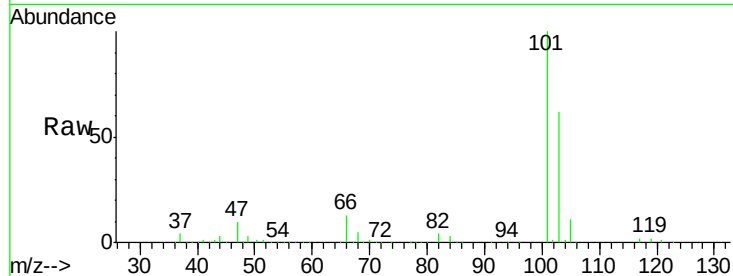
Trichlorofluoromethane
Concen: 152.707 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015525.D
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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	282986		
103	62.1	50.2	75.2	

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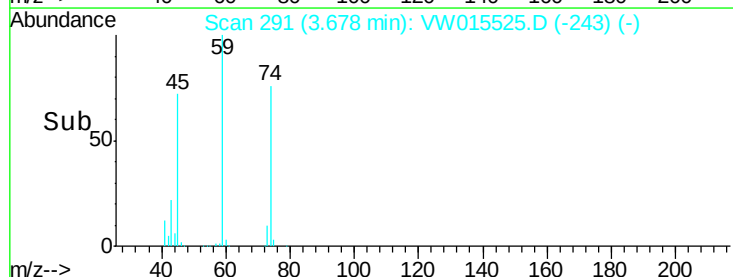
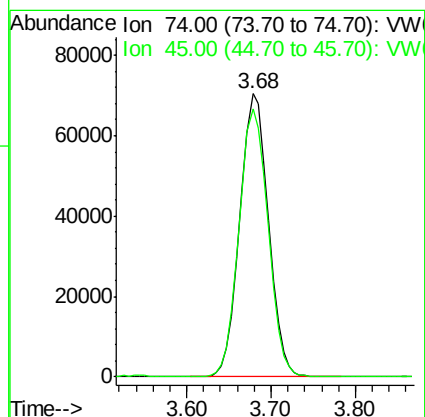
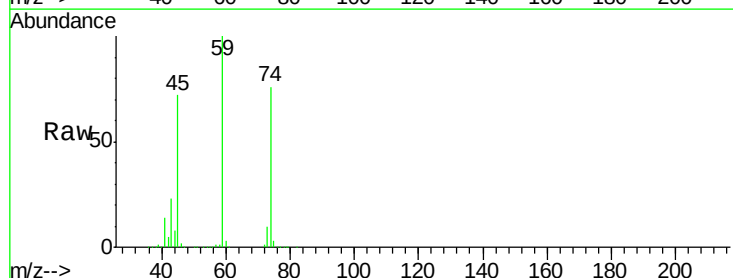
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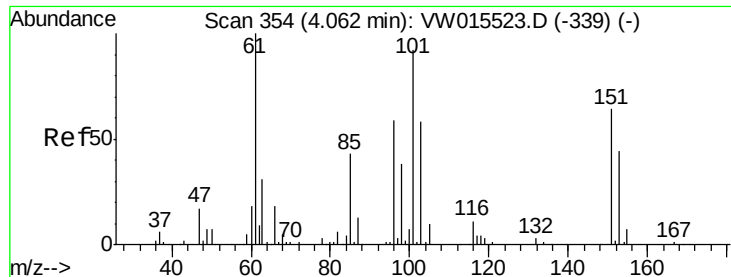


#8

Diethyl Ether
Concen: 138.139 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	161285		
45	95.6	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.619 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

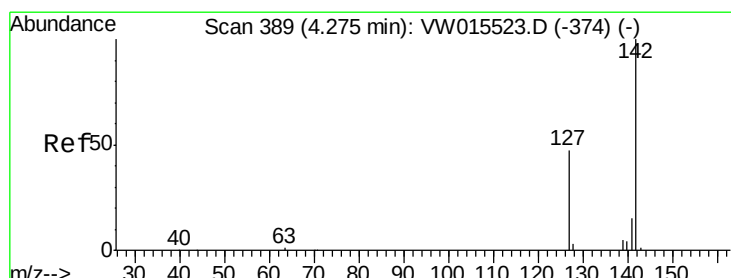
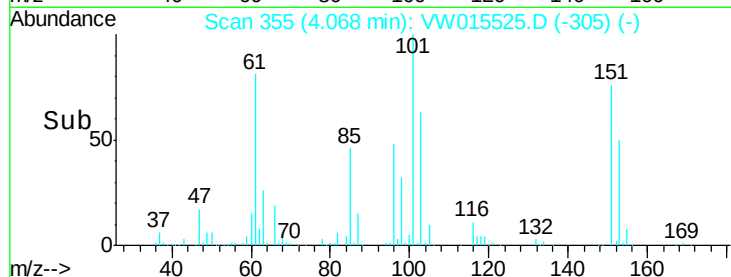
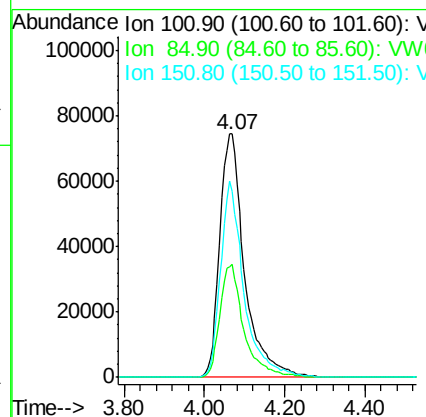
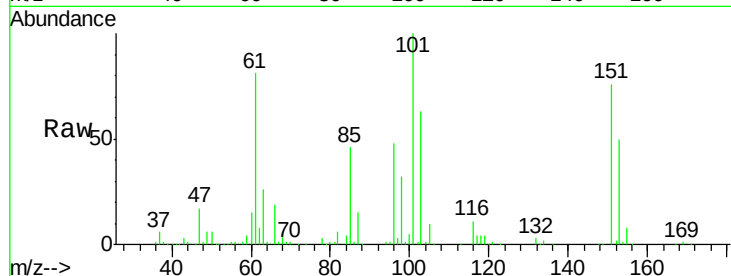
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	319015
Ion Ratio	Lower	Upper	
101	100		
85	44.9	37.0	55.6
151	75.8	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 149.391 ug/l

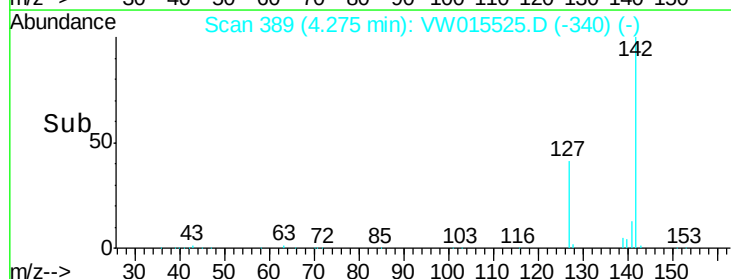
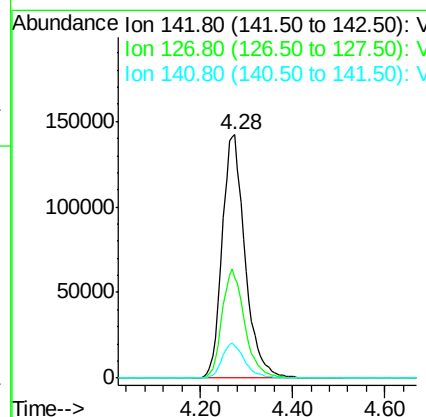
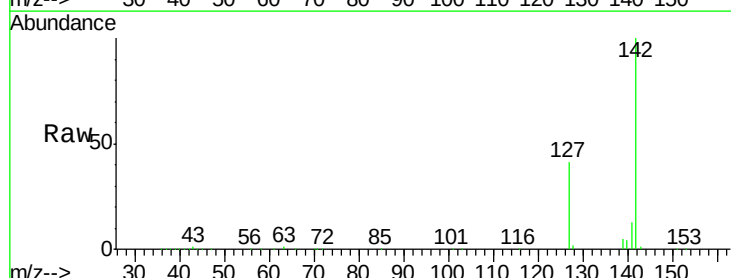
RT: 4.28 min Scan# 389

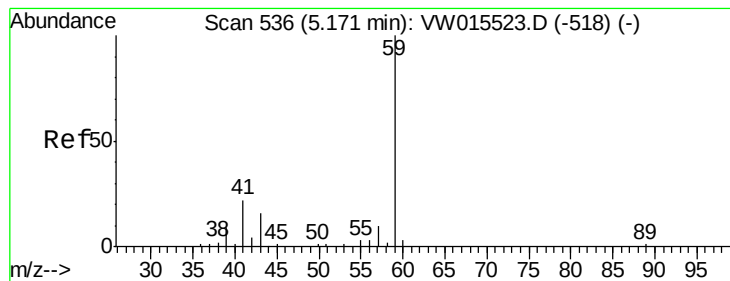
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	142	Resp:	488140
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.9	55.3
141	14.3	11.7	17.5





#11

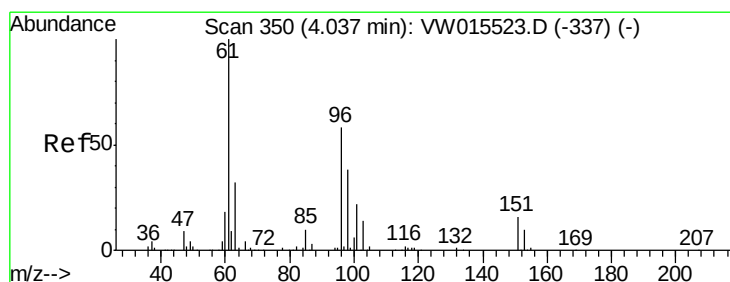
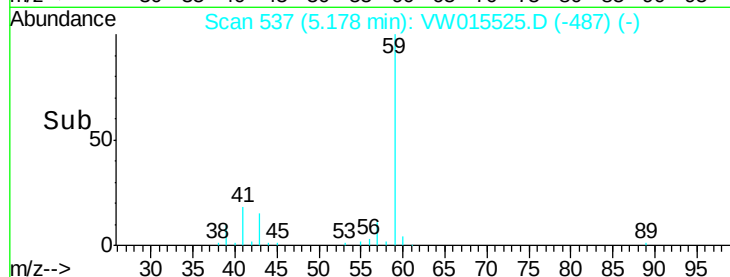
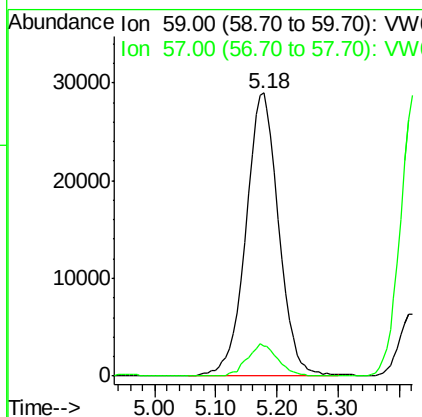
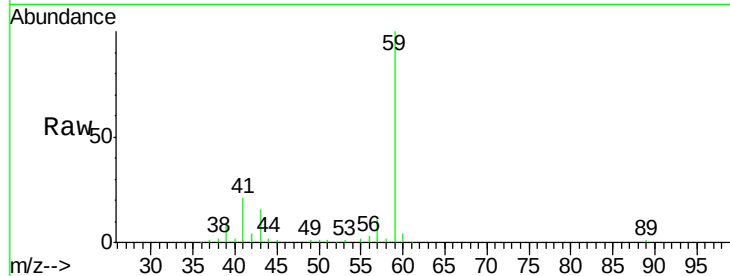
Tert butyl alcohol
 Concen: 707.446 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
 APPROVED

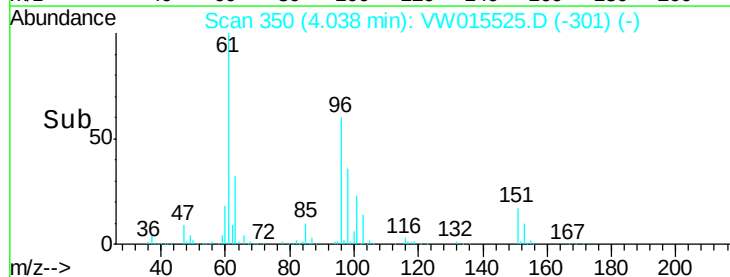
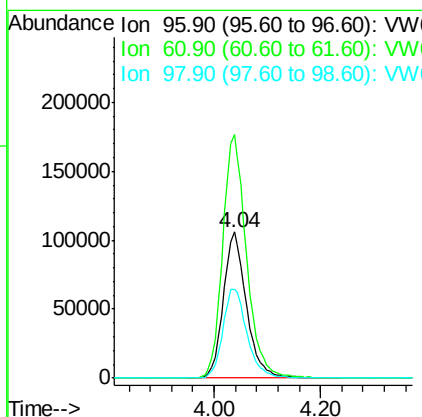
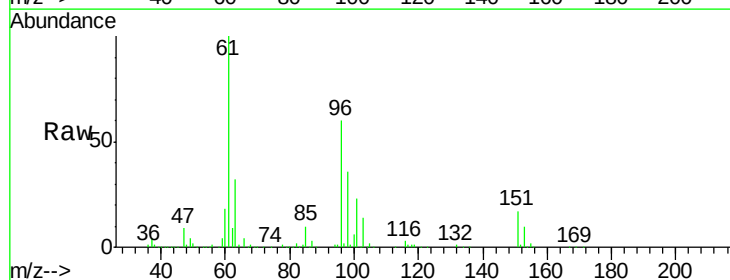
MMDadoda
 6/2/2020 4:00:21 PM

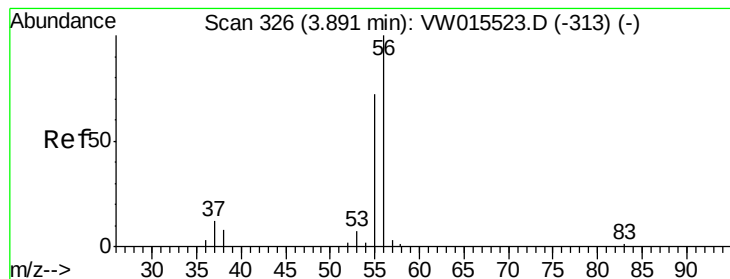


#12

1,1-Dichloroethene
 Concen: 144.381 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	138.3	207.5
98	60.7	52.2	78.4





#13

Acrolein

Concen: 557.908 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 100277

Ion Ratio Lower Upper

56 100

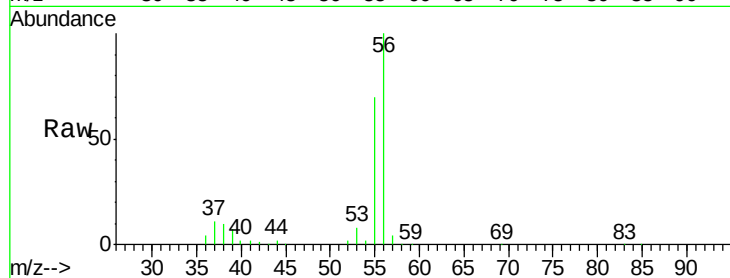
55 69.7 56.5 84.7

Manual Integrations

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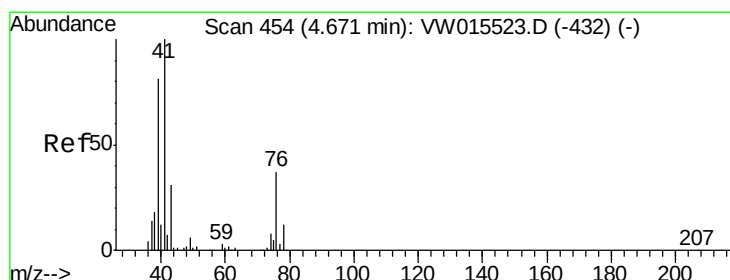
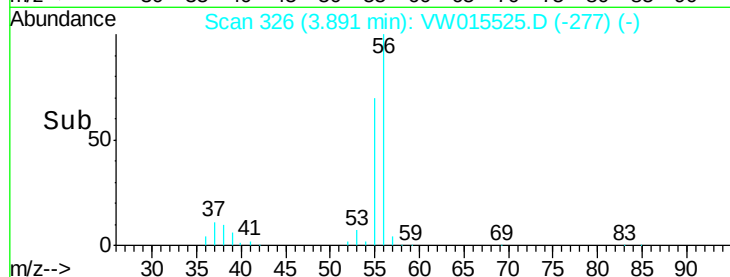
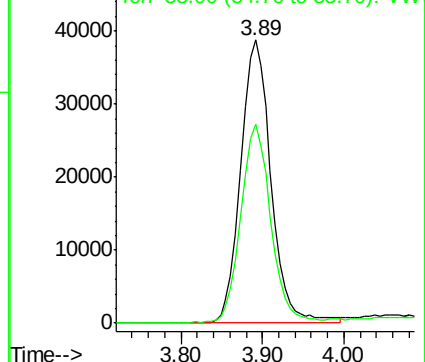
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 140.587 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

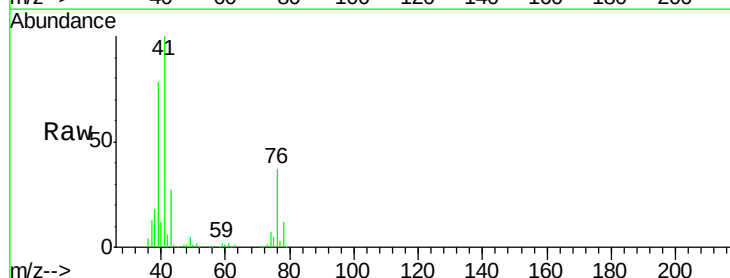
Tgt Ion: 41 Resp: 548591

Ion Ratio Lower Upper

41 100

39 78.0 63.1 94.7

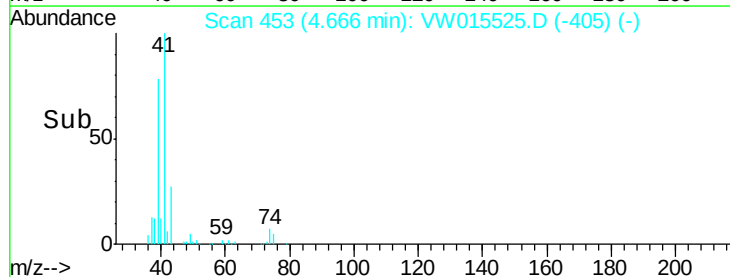
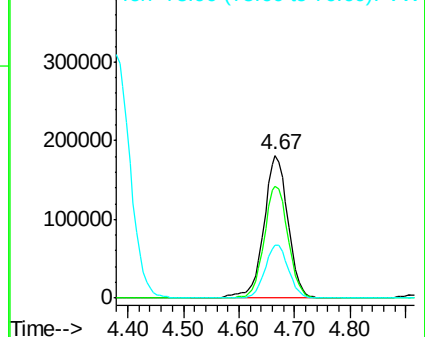
76 36.0 28.6 43.0

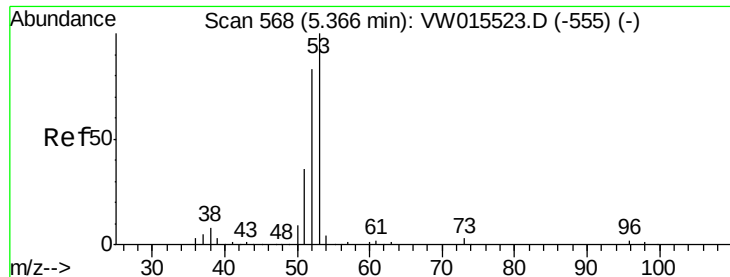


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 705.005 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

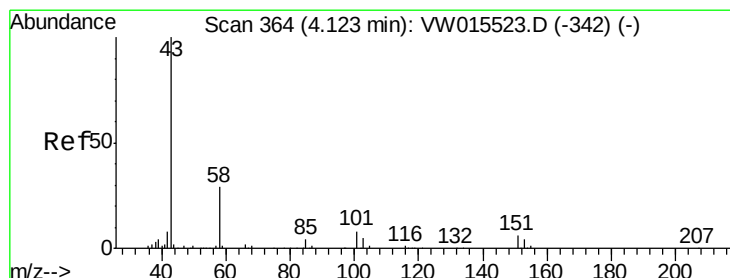
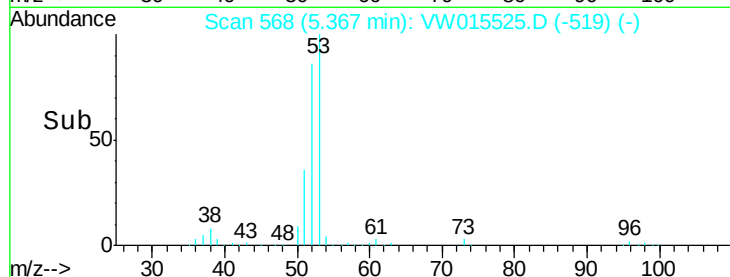
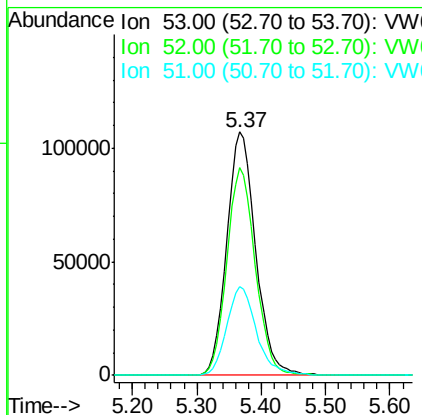
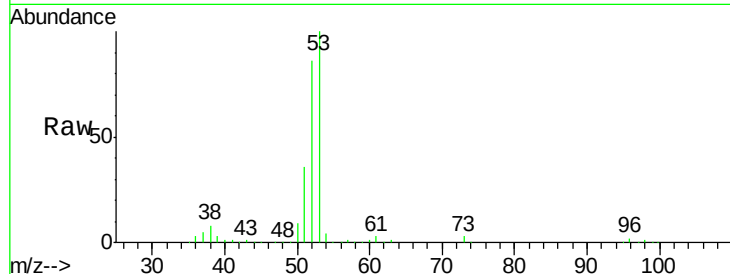
ClientSampled :

VSTDIC150

Tot Ion:	53	Resp:	337906
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.1	99.1
51	37.4	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 919.828 ug/l

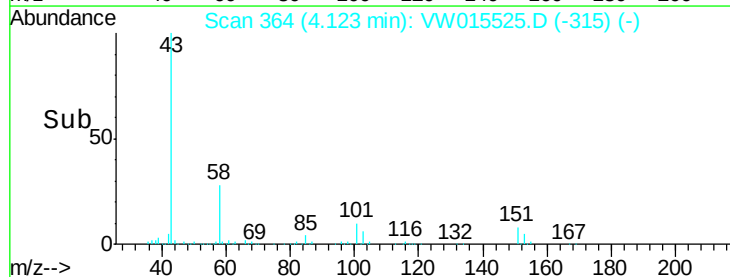
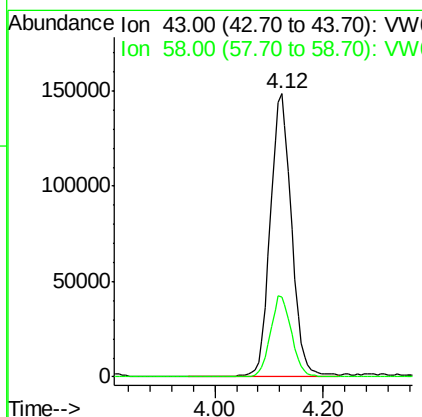
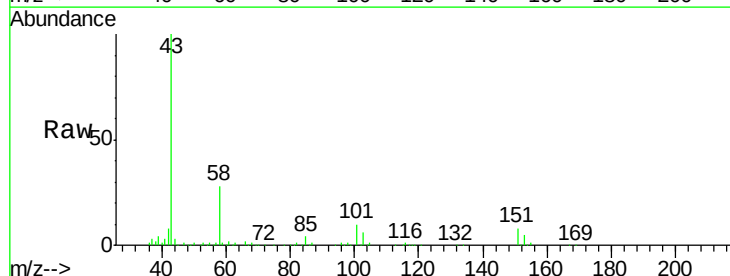
RT: 4.12 min Scan# 364

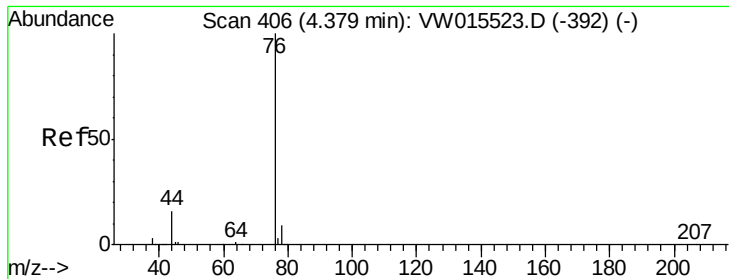
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	43	Resp:	401980
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.1	34.7





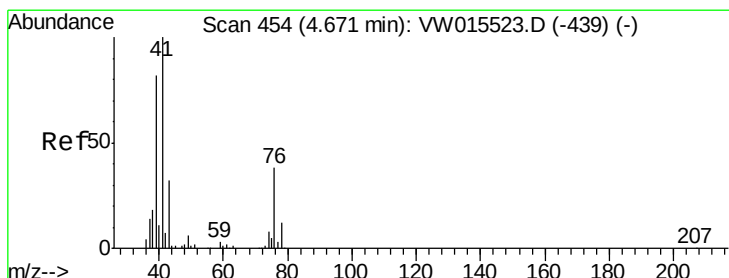
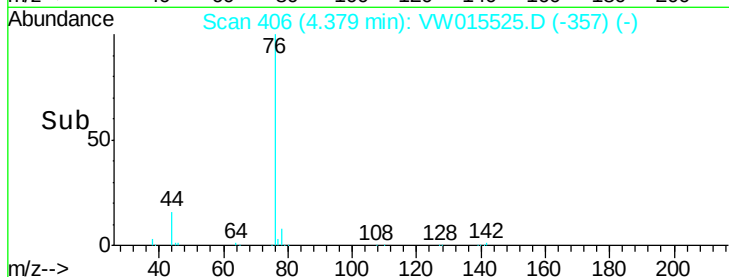
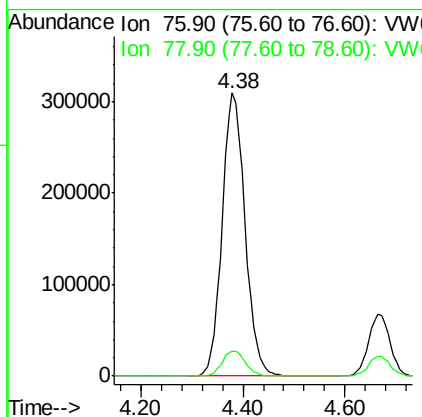
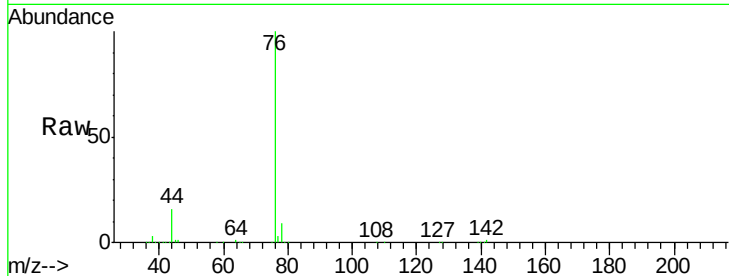
#17
Carbon Disulfide
Concen: 141.403 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

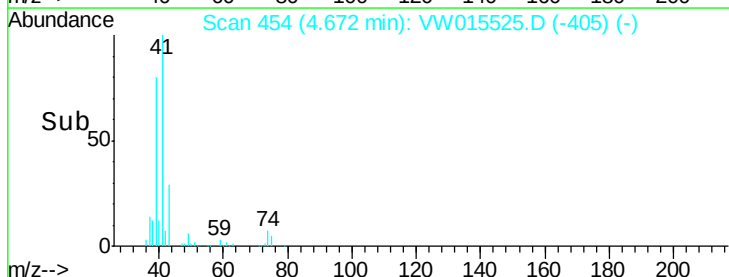
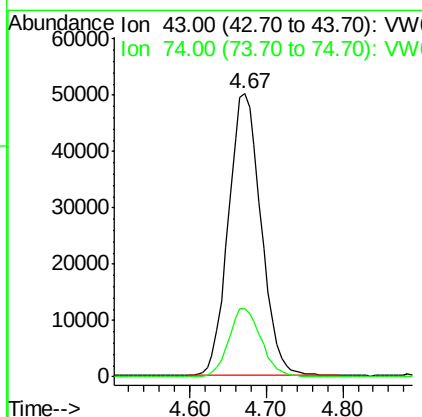
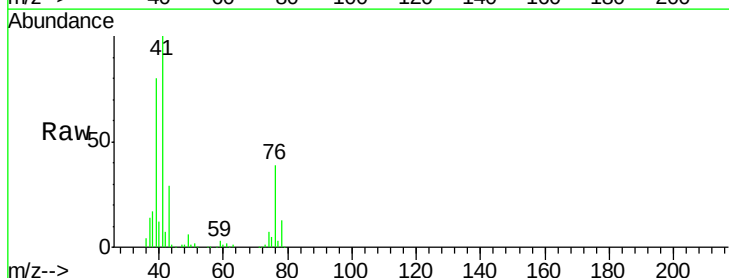
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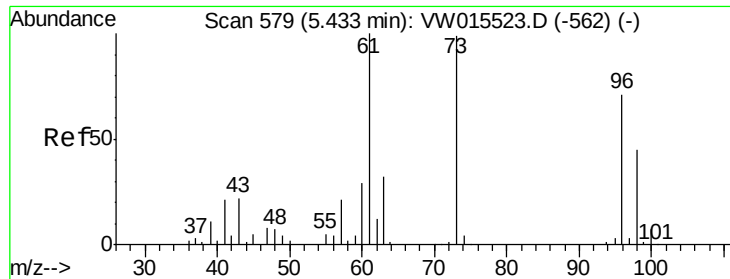
MMDadoda
6/2/2020 4:00:21 PM



#18
Methyl Acetate
Concen: 137.687 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.8	28.2





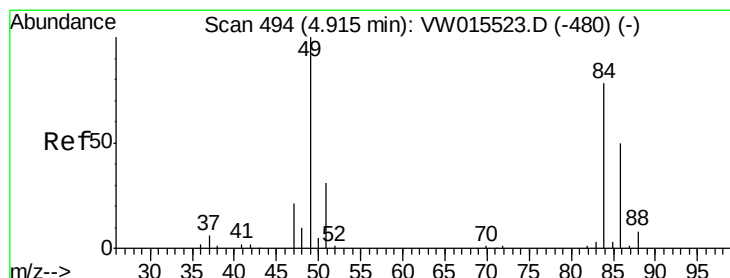
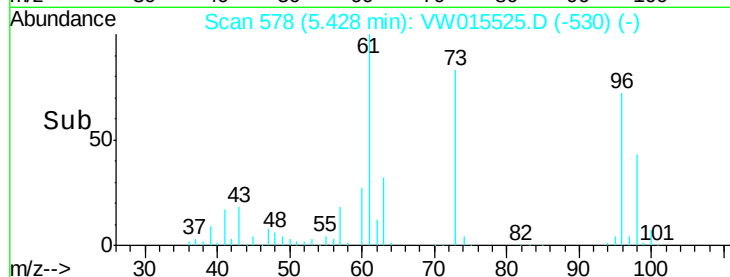
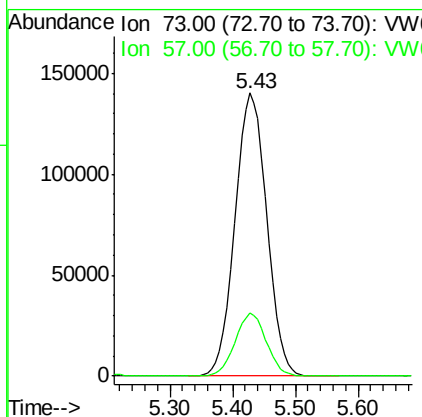
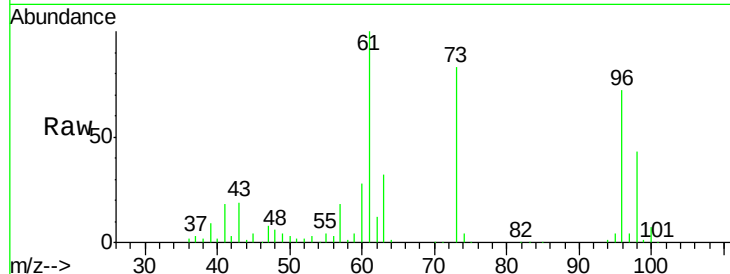
#19
Methyl tert-butyl Ether
Concen: 135.830 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 491261
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7

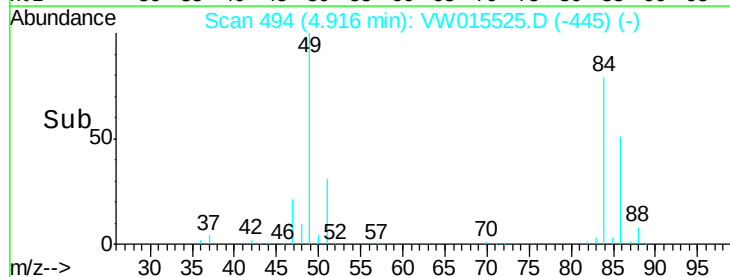
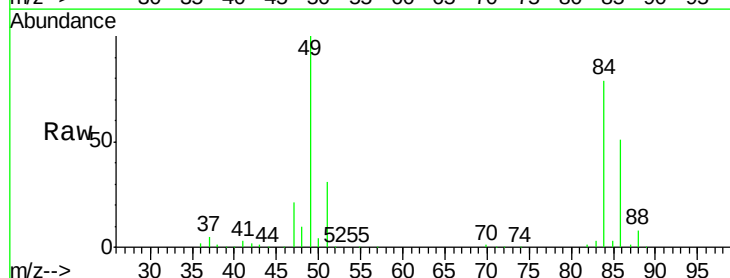
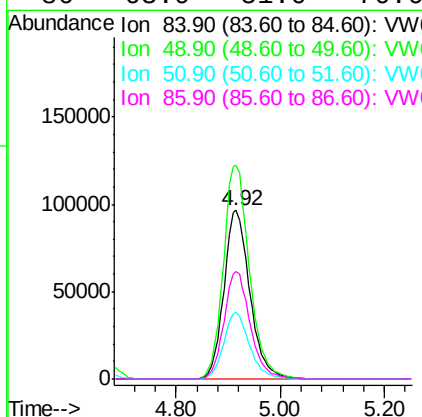
Manual Integrations
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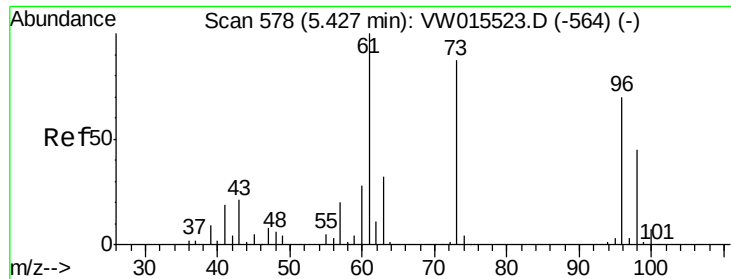
MMDadoda
6/2/2020 4:00:21 PM



#20
Methylene Chloride
Concen: 129.783 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion: 84 Resp: 336006
Ion Ratio Lower Upper
84 100
49 126.5 102.8 154.2
51 39.2 31.4 47.2
86 63.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 144.291 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

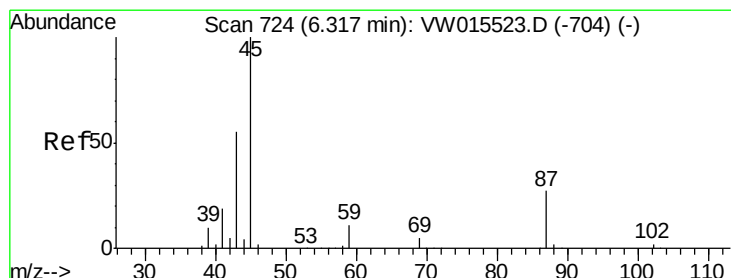
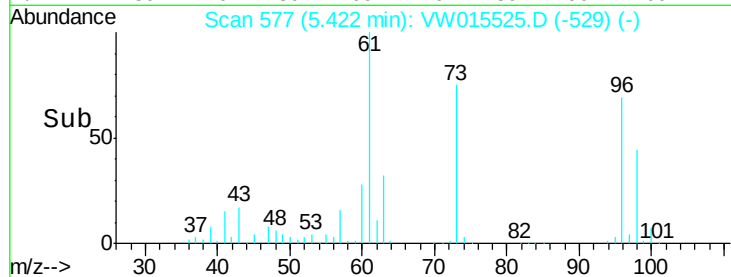
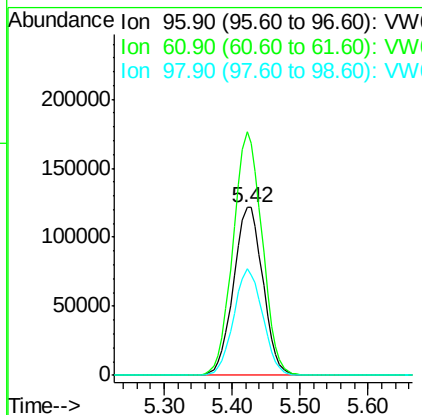
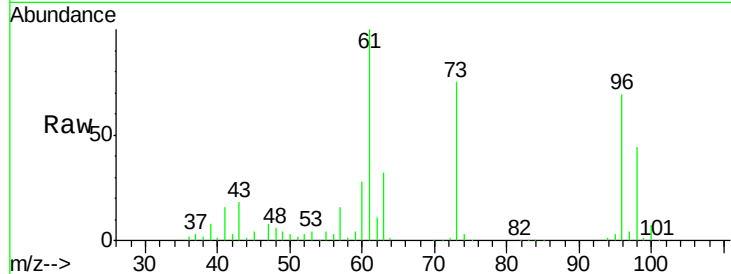
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	366114
Ion	Ratio	Lower	Upper
96	100		
61	145.0	114.3	171.5
98	63.8	51.0	76.4

Manual Integrations
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6/2/2020 4:00:21 PM



#22

Diisopropyl ether

Concen: 138.074 ug/l

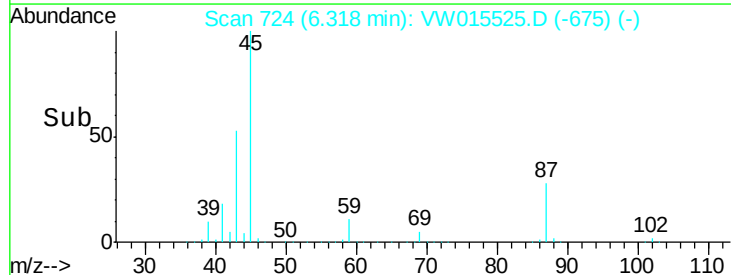
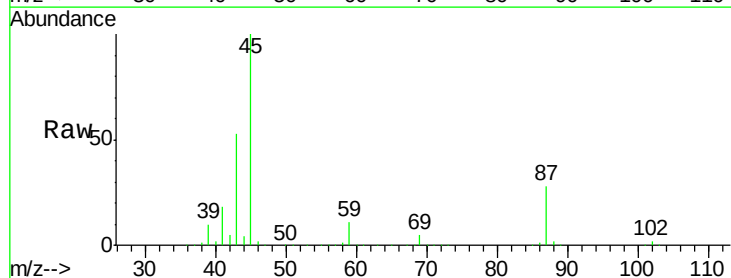
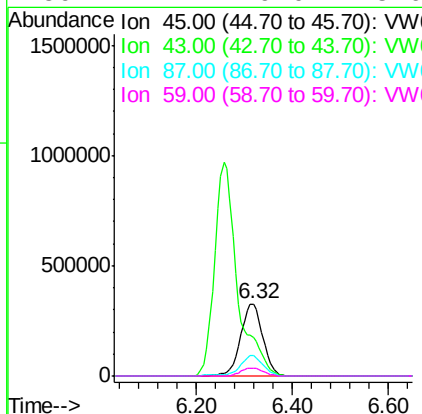
RT: 6.32 min Scan# 724

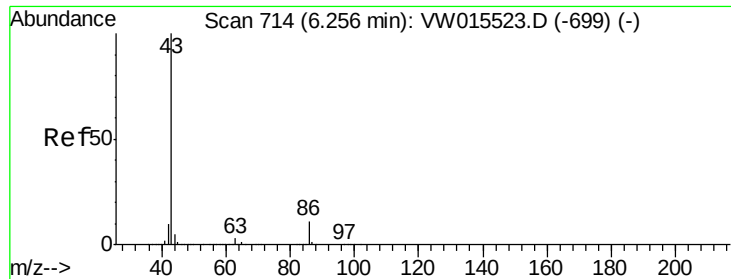
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	45	Resp:	1052325
Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.1	66.1
87	28.2	21.8	32.8
59	11.4	9.0	13.6





#23

Vinyl Acetate

Concen: 689.103 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3208707

Ion Ratio Lower Upper

43 100

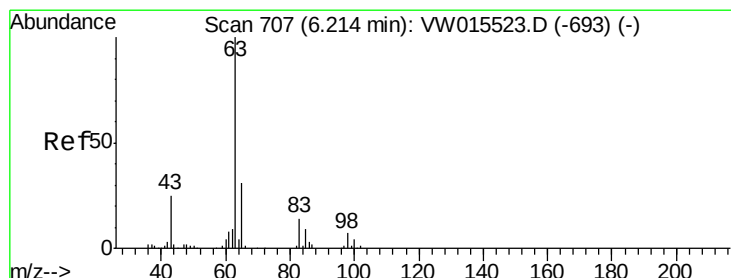
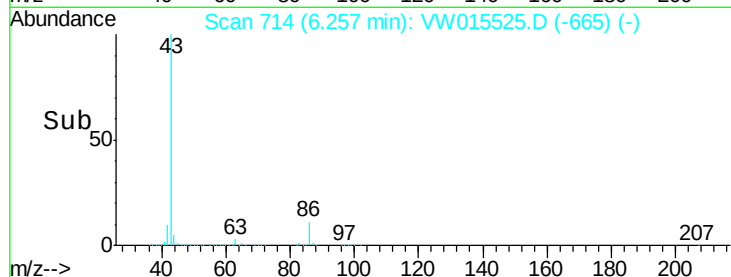
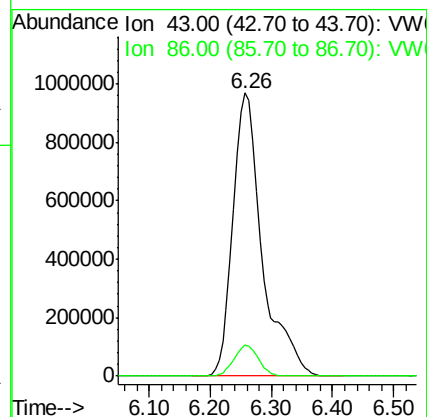
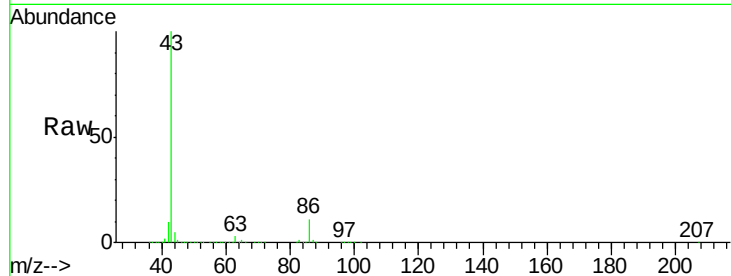
86 10.8 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 142.314 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

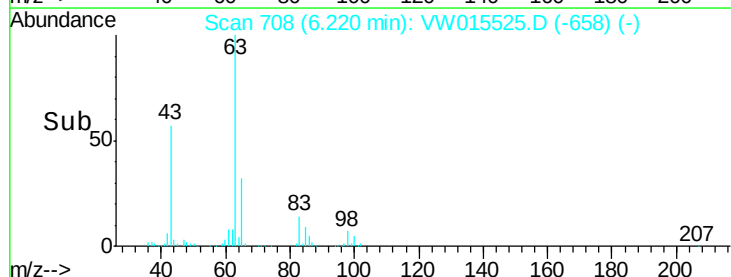
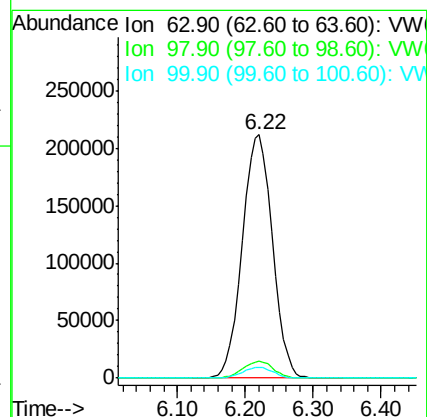
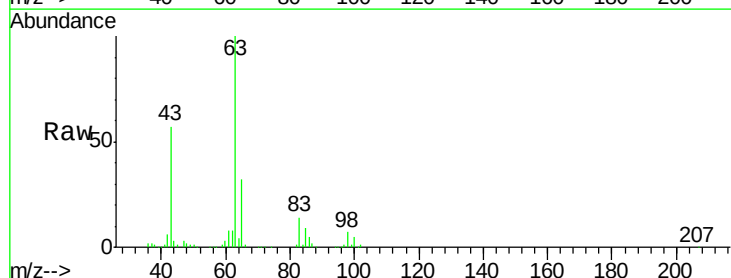
Tgt Ion: 63 Resp: 651490

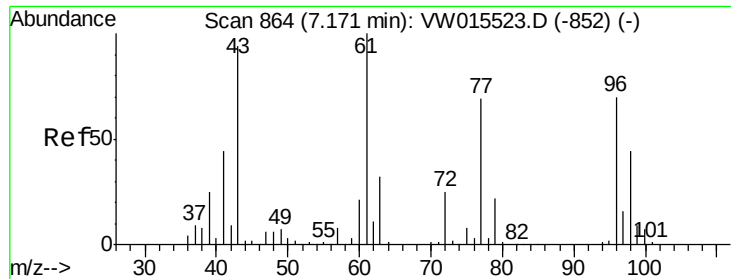
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 744.686 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 477421

Ion Ratio Lower Upper

43 100

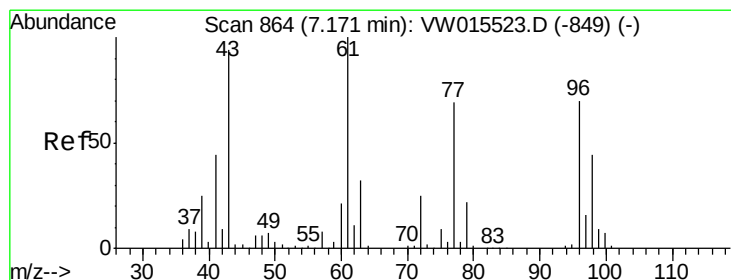
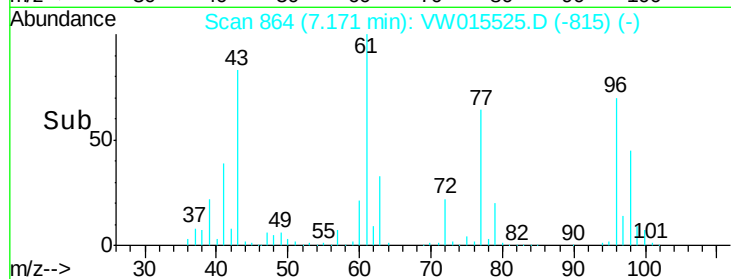
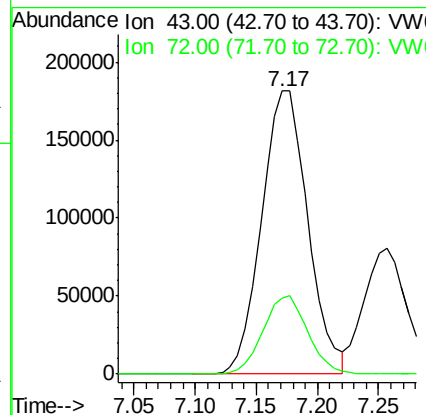
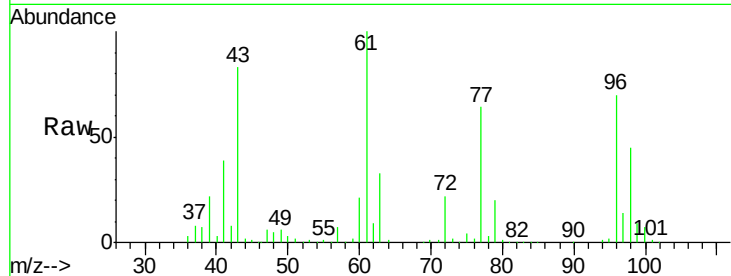
72 26.9 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 135.699 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015525.D

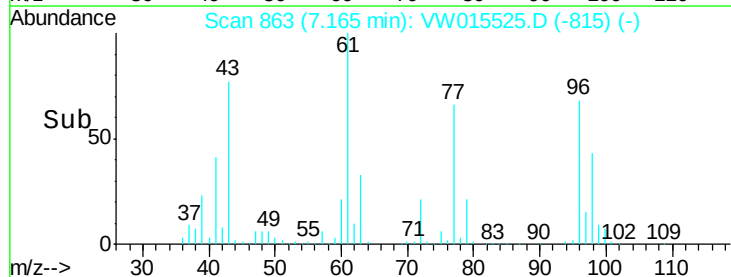
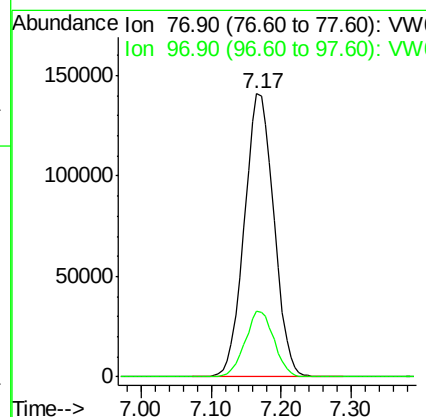
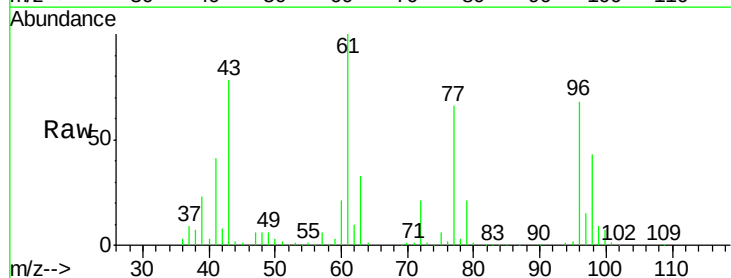
Acq: 02 Jun 2020 13:23

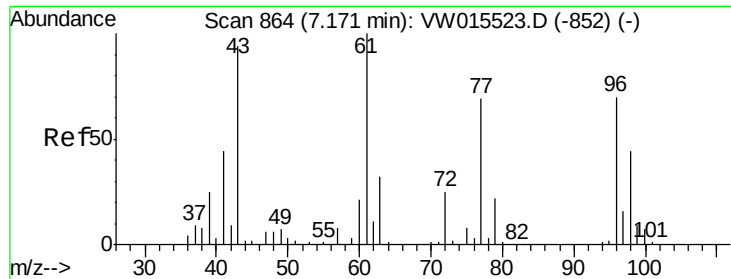
Tgt Ion: 77 Resp: 413228

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

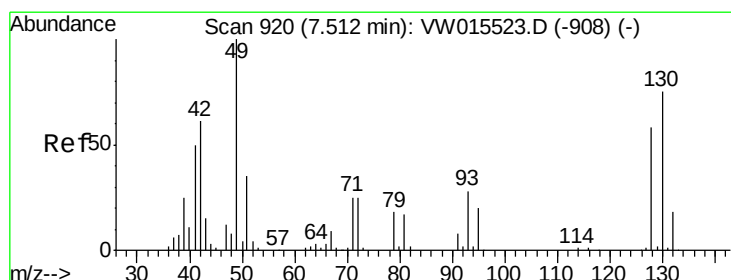
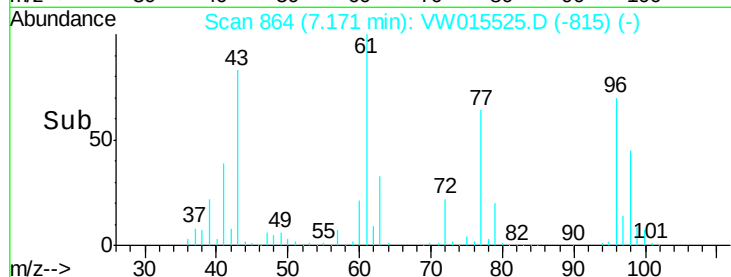
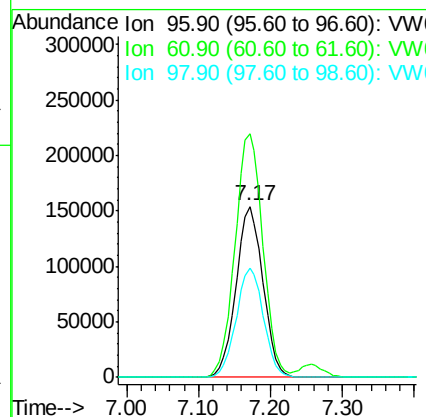
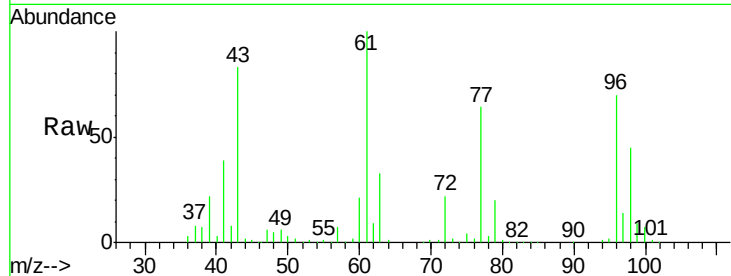
cis-1,2-Dichloroethene
Concen: 144.431 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	399104		
61	147.3	0.0	293.0	
98	64.7	0.0	127.2	

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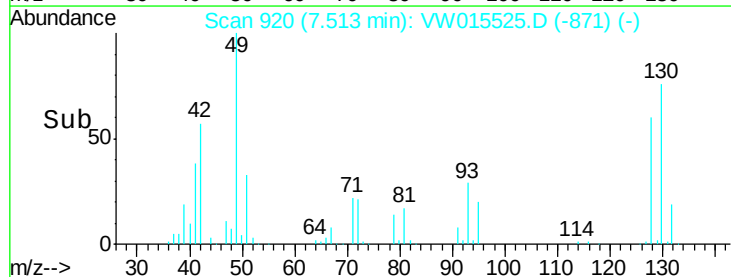
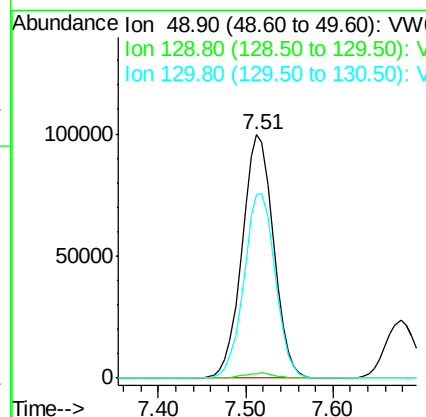
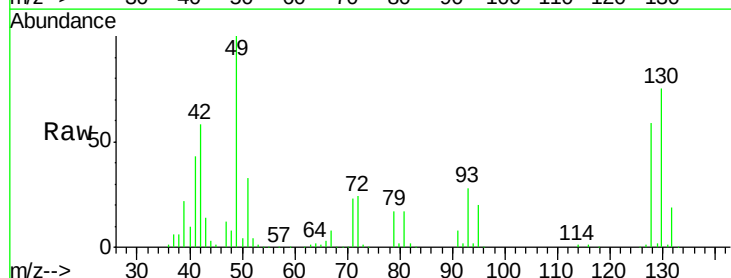
MMDadoda
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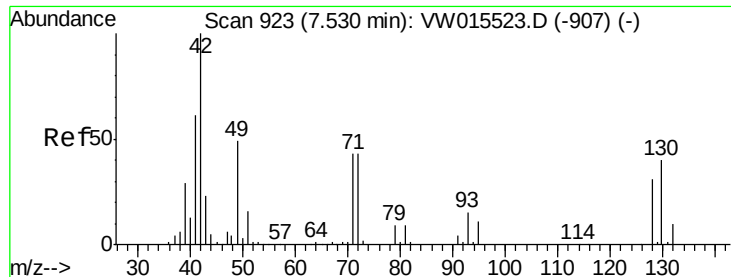


#28

Bromochloromethane
Concen: 136.915 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	248887		
129	2.1	0.0	2.0#	
130	75.6	59.7	89.5	





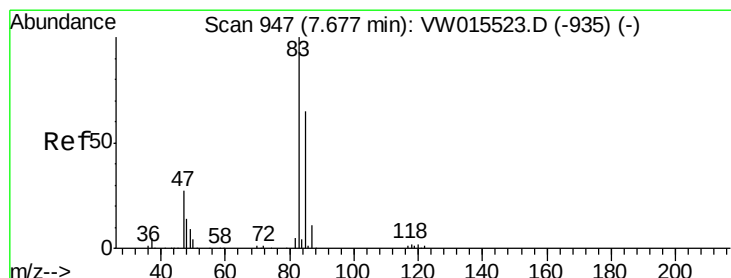
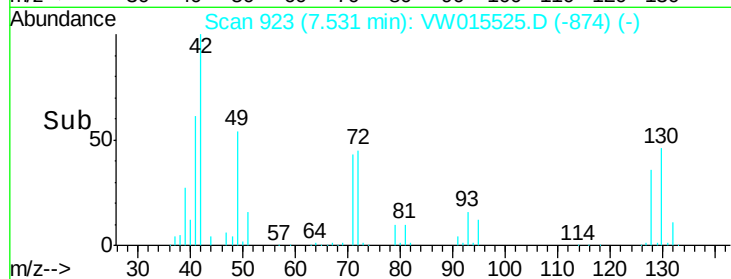
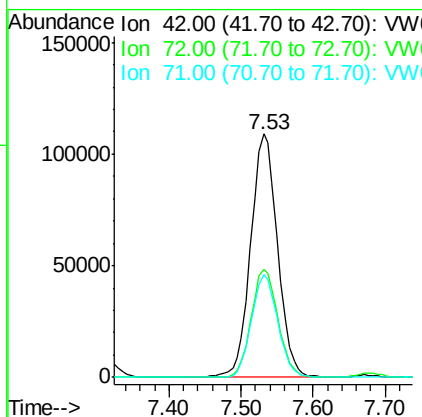
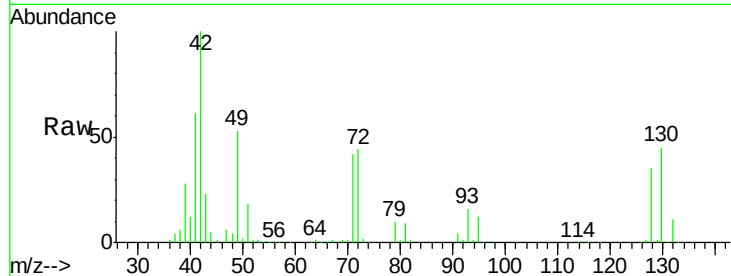
#29
Tetrahydrofuran
Concen: 688.791 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.8	52.2
71	41.4	33.3	49.9

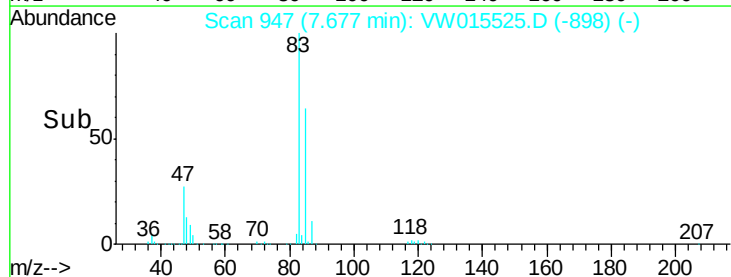
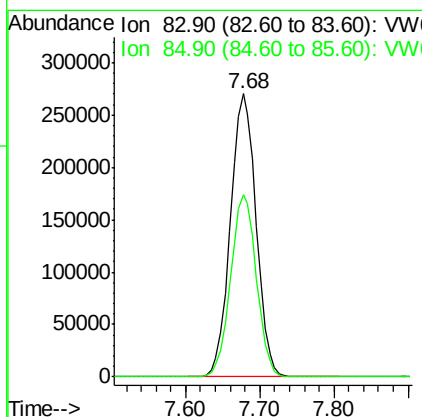
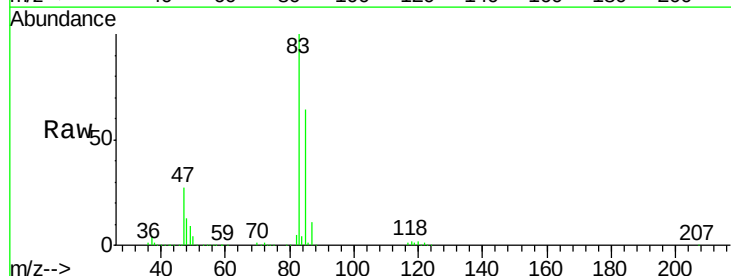
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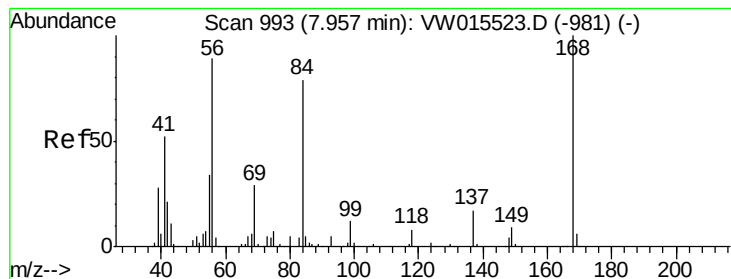
MMDadoda
6/2/2020 4:00:21 PM



#30
Chloroform
Concen: 143.207 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4





#31

Cyclohexane

Concen: 126.040 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 579248

Ion Ratio Lower Upper

56 100

69 32.6 26.3 39.5

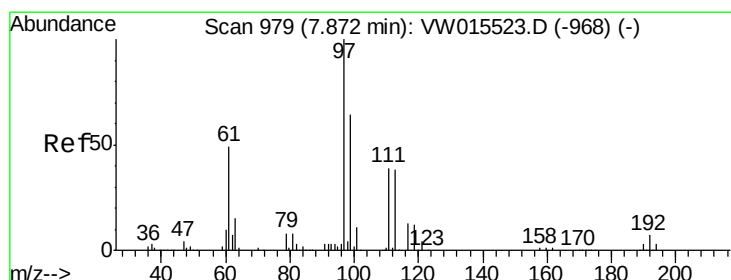
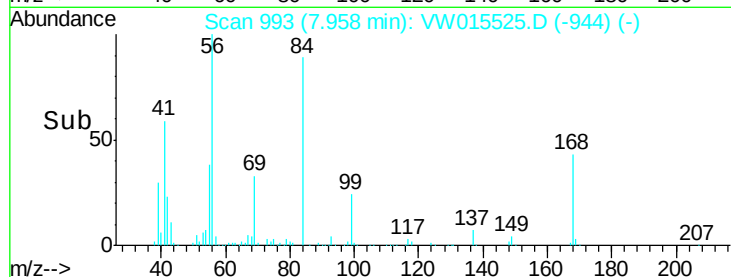
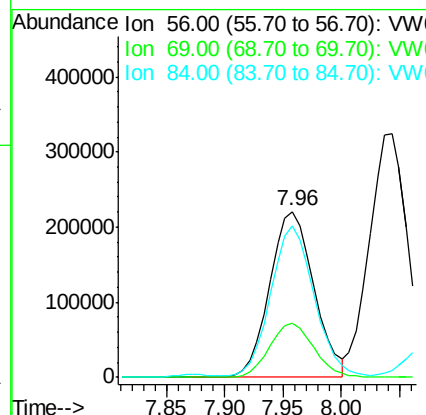
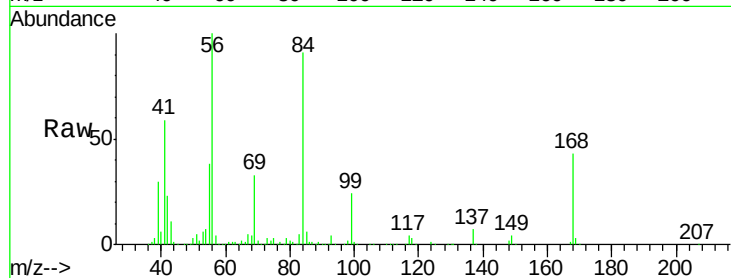
84 89.6 71.0 106.4

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#32

1,1,1-Trichloroethane

Concen: 145.912 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

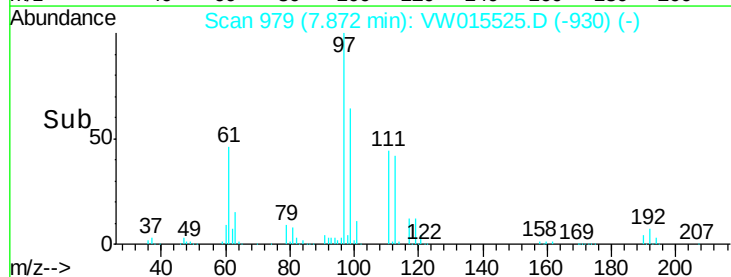
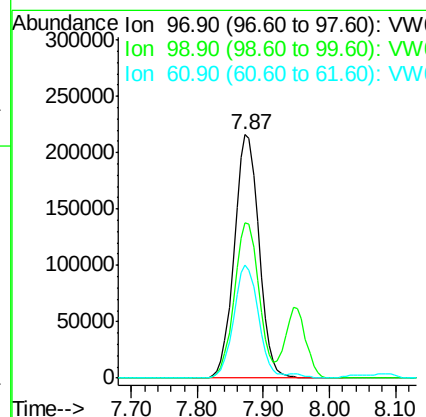
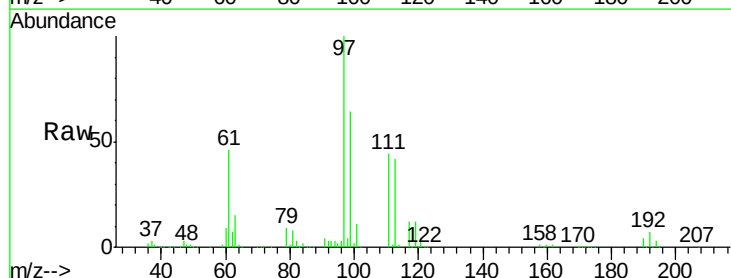
Tgt Ion: 97 Resp: 558567

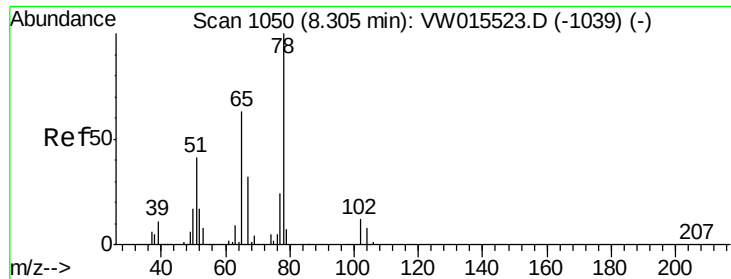
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 46.4 37.8 56.8





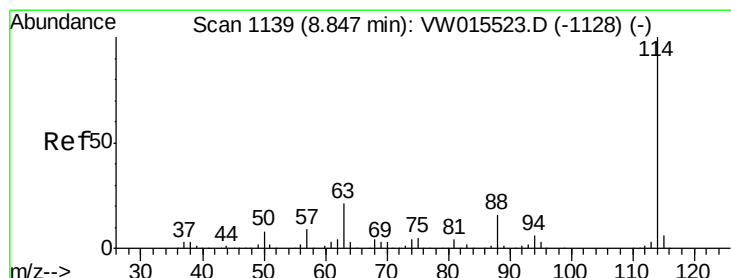
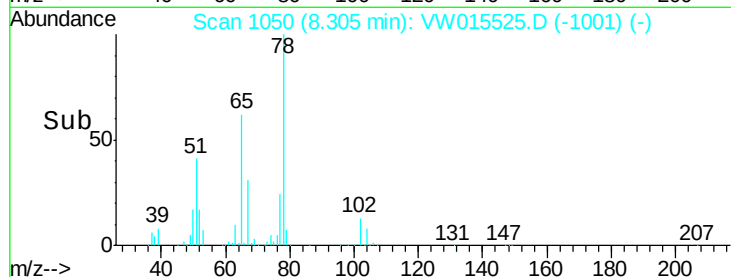
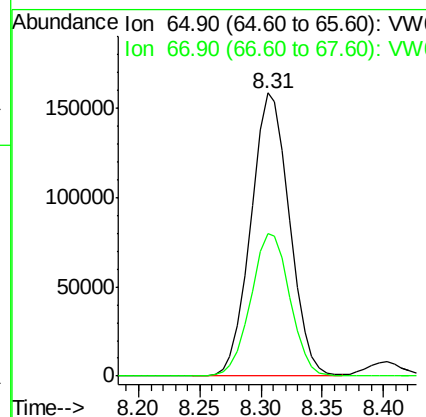
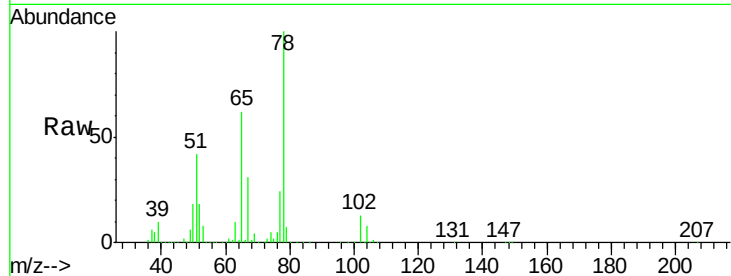
#33
 1,2-Dichloroethane-d4
 Concen: 138.749 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	348381		
67	51.0	0.0	100.8	

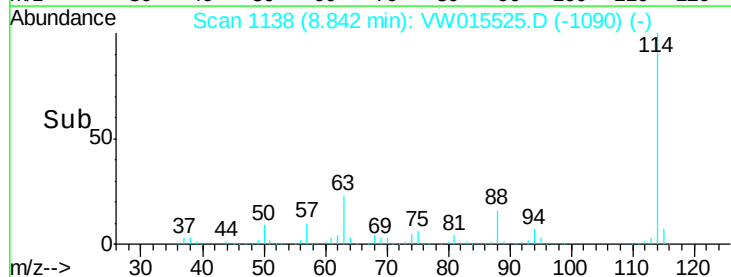
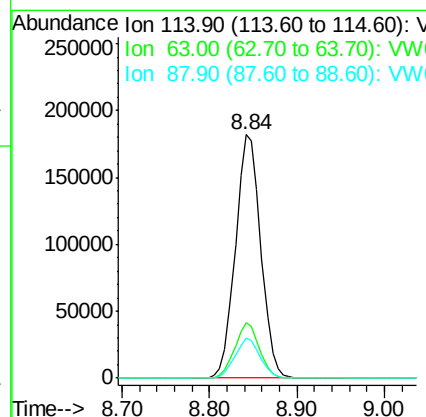
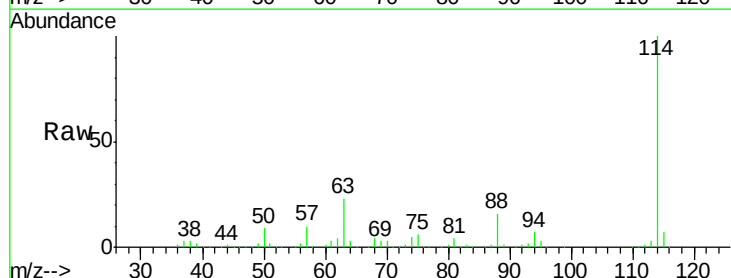
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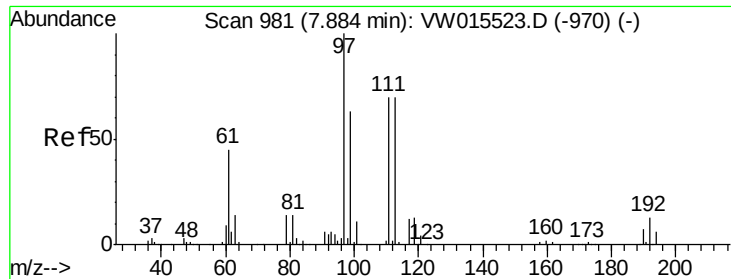
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365706		
63	22.5	0.0	42.0	
88	16.4	0.0	31.8	





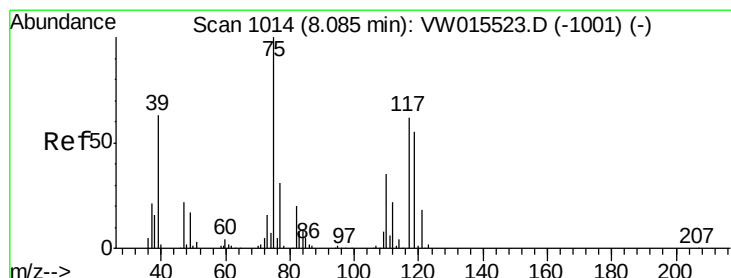
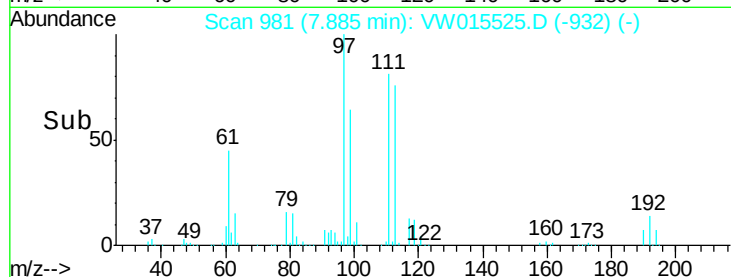
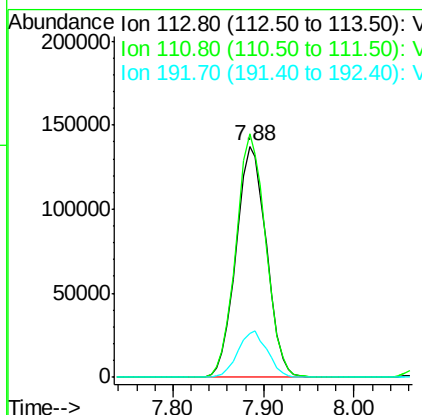
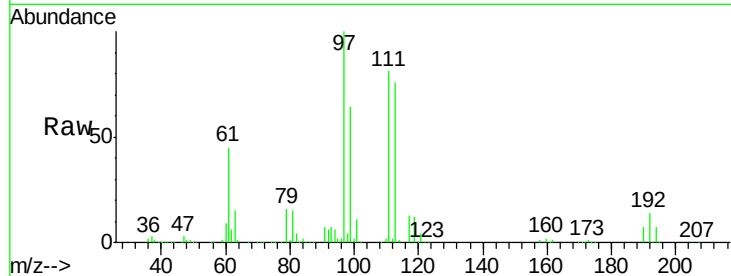
#35
 Dibromofluoromethane
 Concen: 151.491 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	319133		
111	103.7	83.3	124.9	
192	19.6	15.8	23.6	

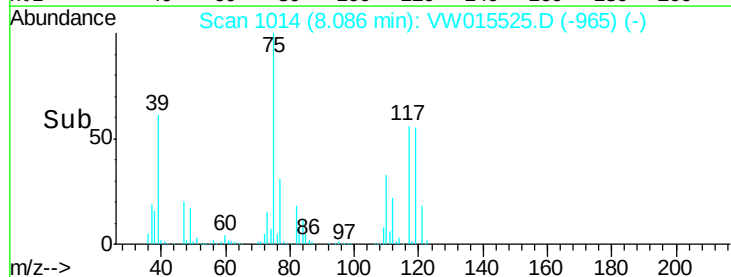
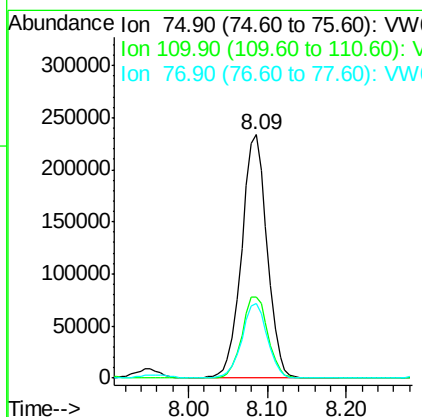
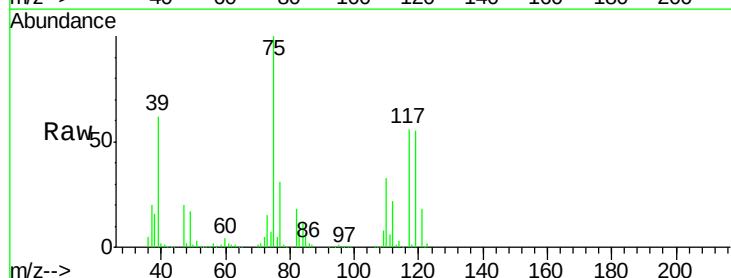
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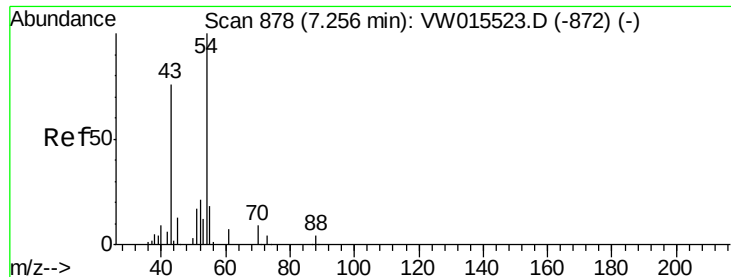
MMDadoda
 6/2/2020 4:00:21 PM



#36
 1,1-Dichloropropene
 Concen: 143.821 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	521989		
110	34.0	17.2	51.6	
77	30.9	25.0	37.4	





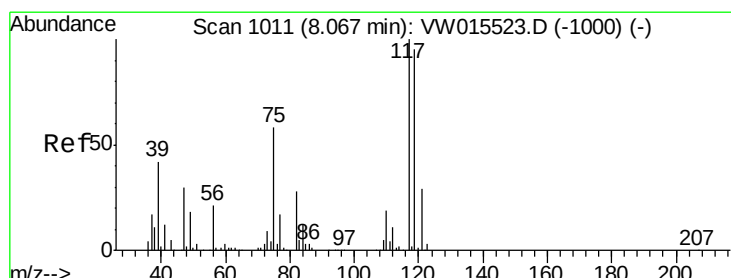
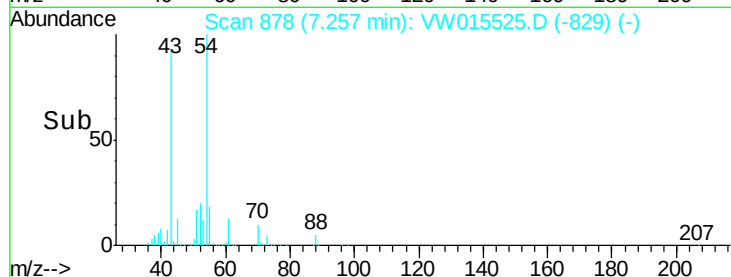
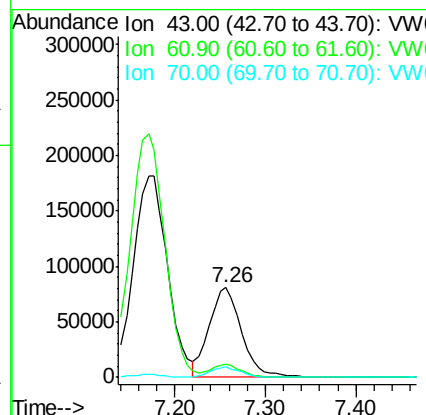
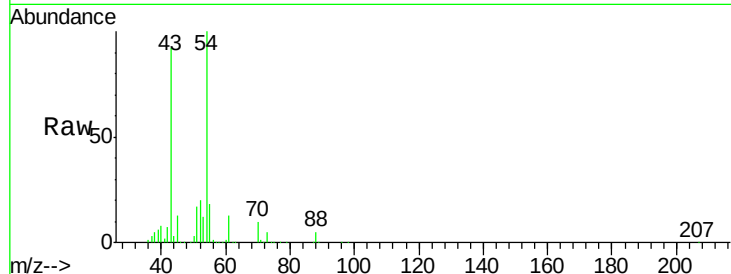
#37
Ethyl Acetate
Concen: 140.339 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.6	8.4	12.6

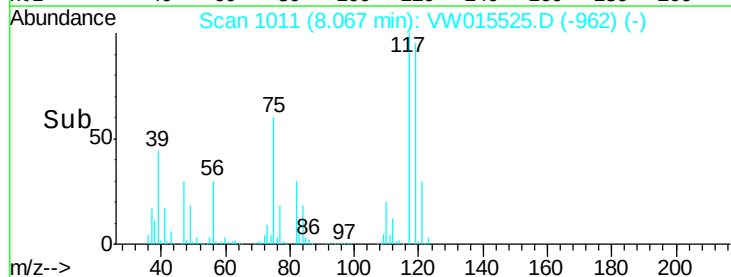
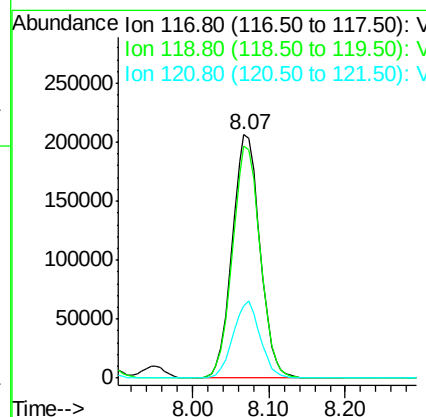
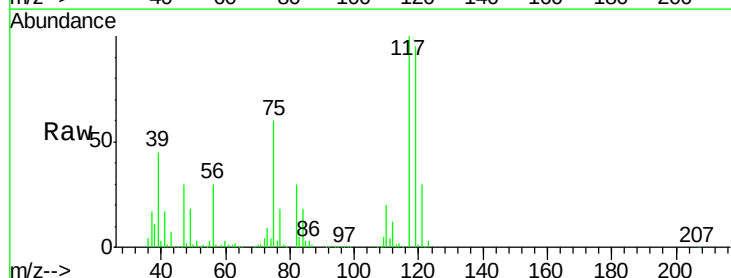
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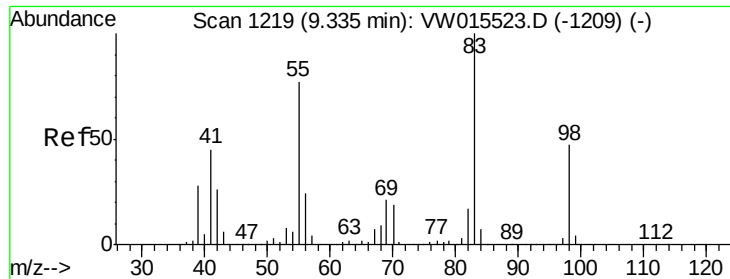
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6/2/2020 4:00:21 PM



#38
Carbon Tetrachloride
Concen: 150.882 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.9	113.9
121	29.5	23.5	35.3





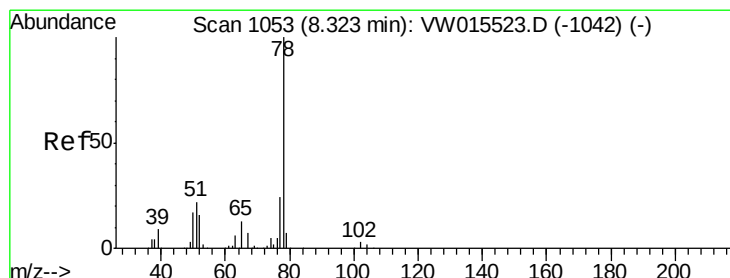
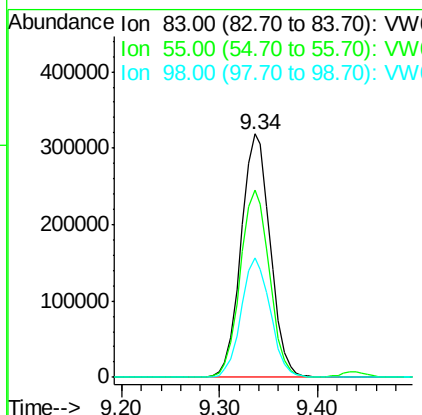
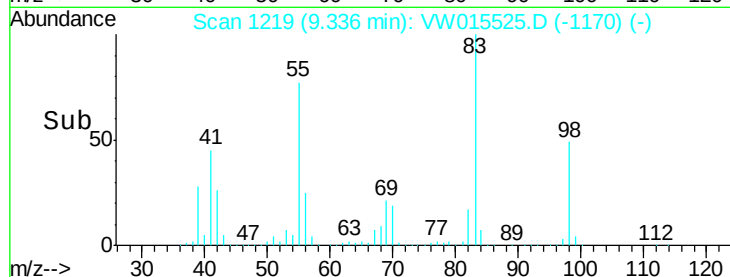
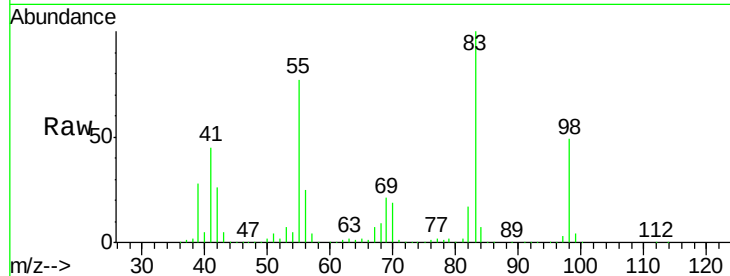
#39
Methylvlcyclohexane
Concen: 143.144 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.7	92.5
98	49.1	37.7	56.5

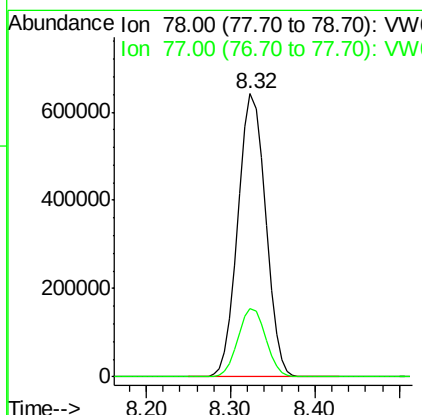
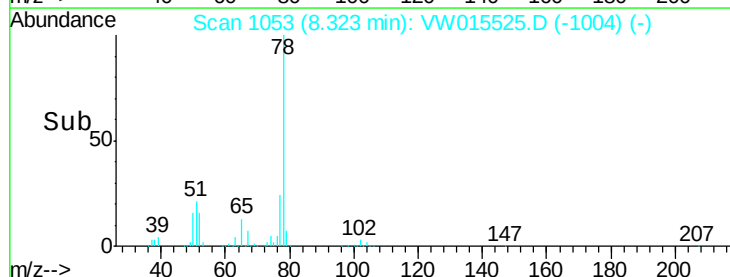
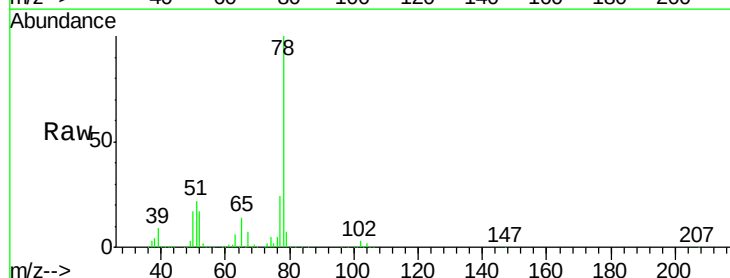
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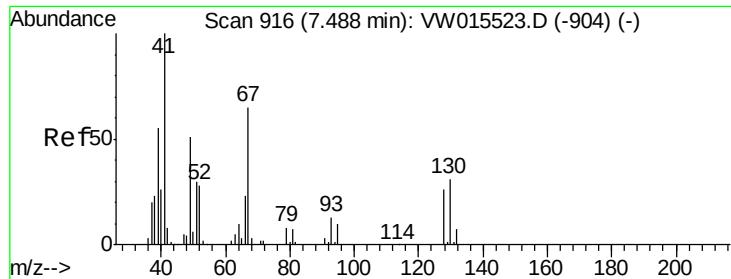
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#40
Benzene
Concen: 143.523 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





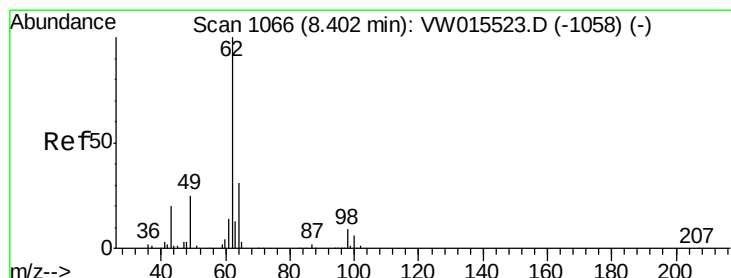
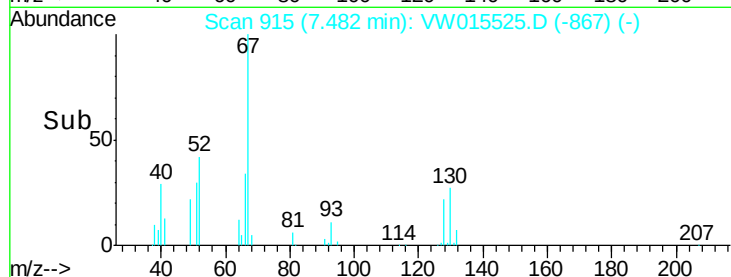
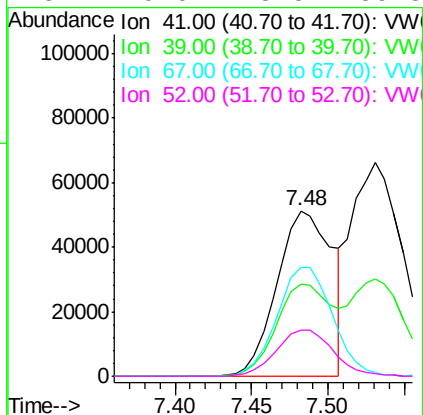
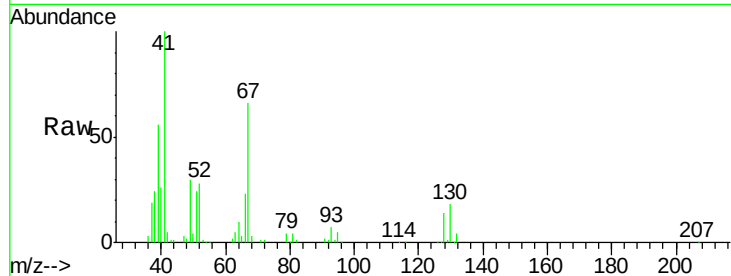
#41
Methacrylonitrile
Concen: 141.988 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC150

Tot Ion	41	Resp	129428
Ion Ratio	Lower	Upper	
41	100		
39	56.3	44.5	66.7
67	66.2	53.1	79.7
52	29.0	23.5	35.3

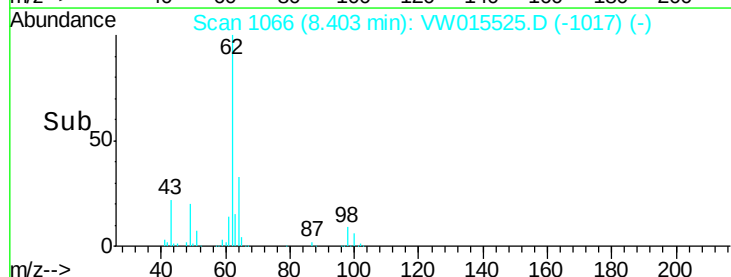
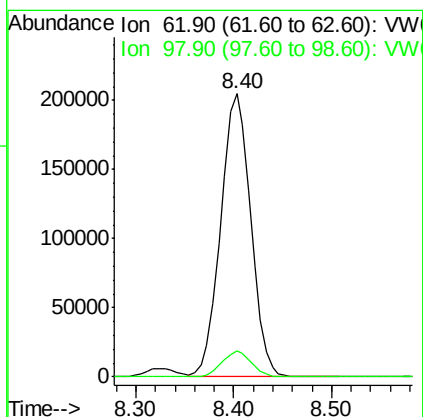
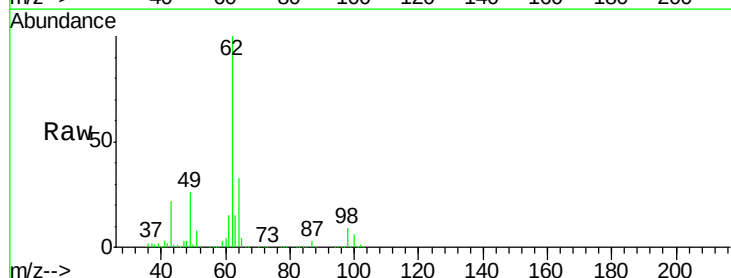
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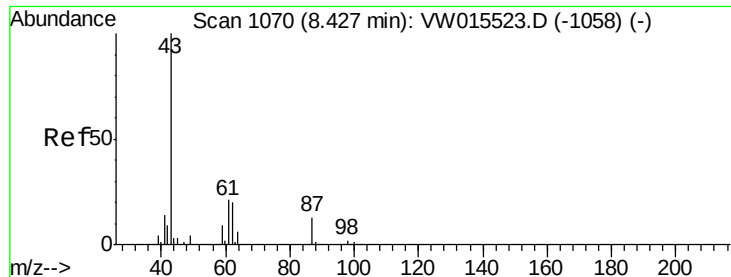
MMDadoda
6/2/2020 4:00:21 PM



#42
1,2-Dichloroethane
Concen: 143.392 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	62	Resp	436630
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 138.194 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

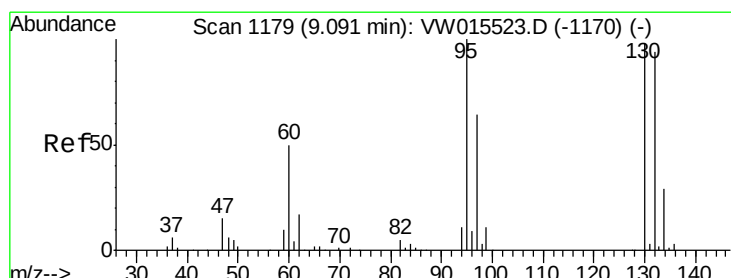
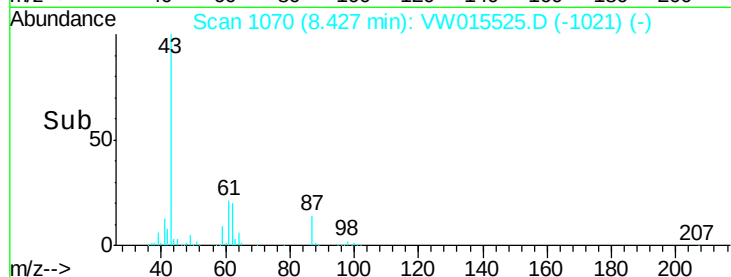
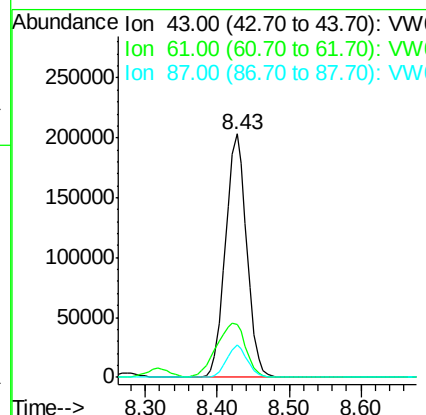
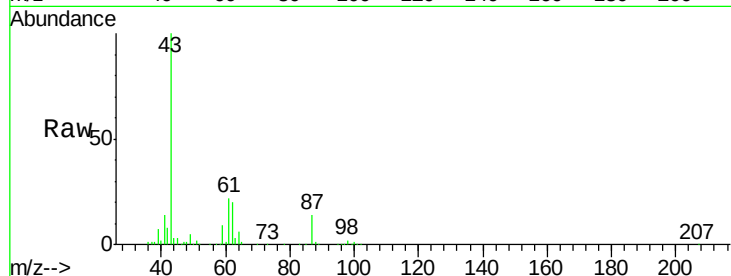
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	415705
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.8	35.8
87	13.1	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 150.164 ug/l

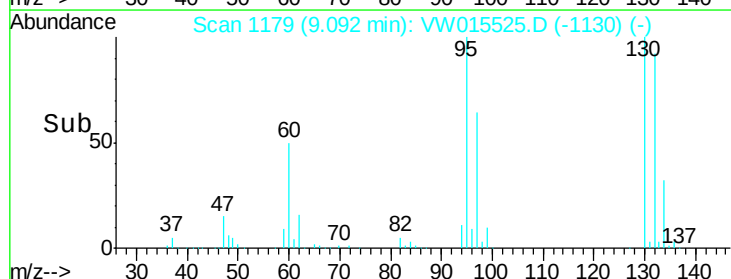
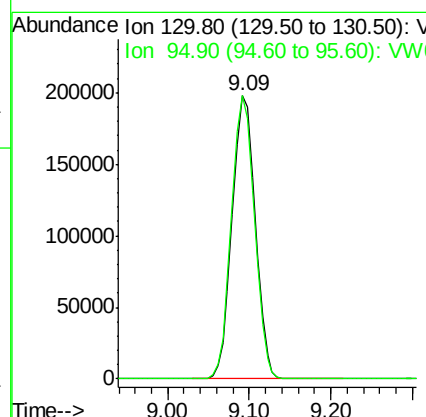
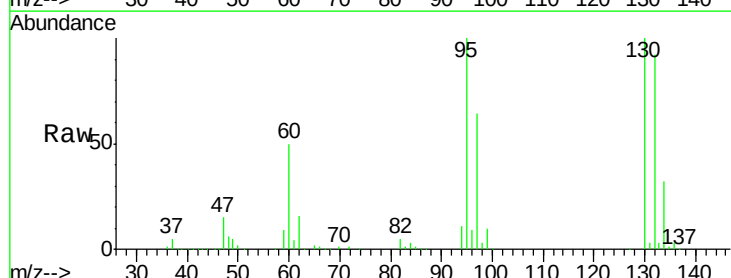
RT: 9.09 min Scan# 1179

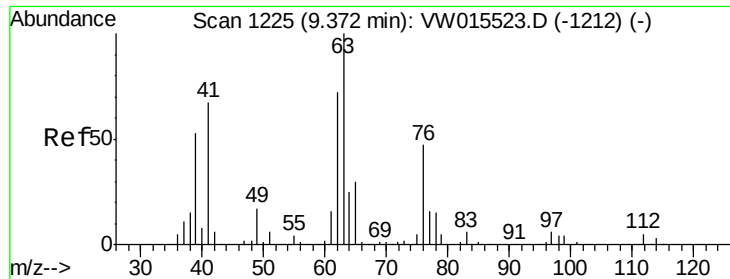
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	130	Resp:	387428
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	204.0





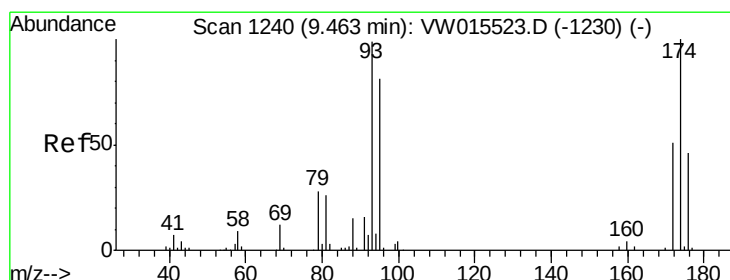
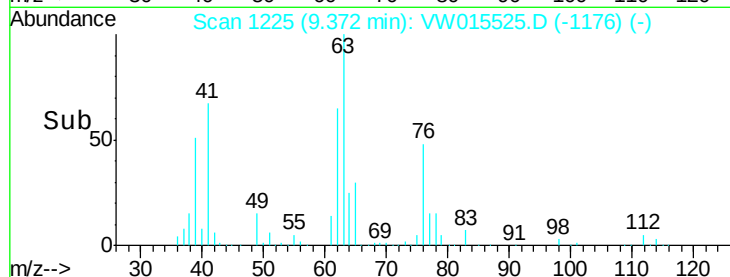
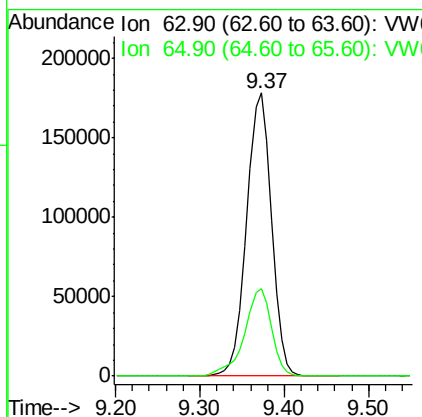
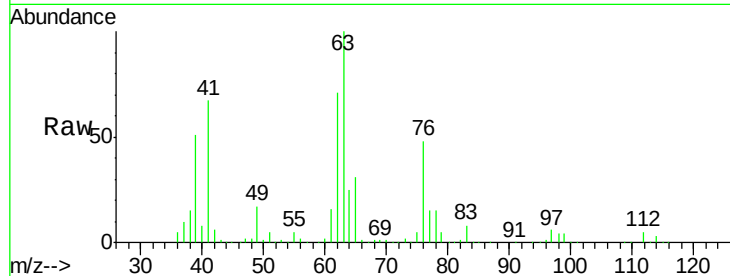
#45
 1,2-Dichloropropane
 Concen: 144.130 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.0	36.0

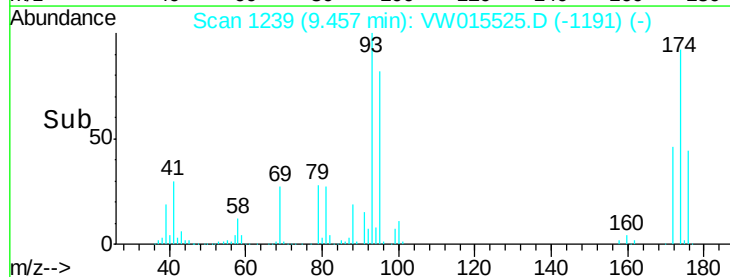
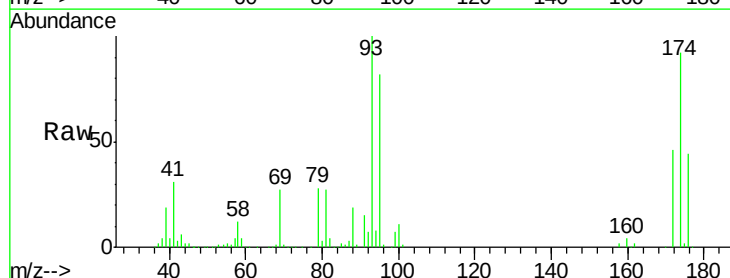
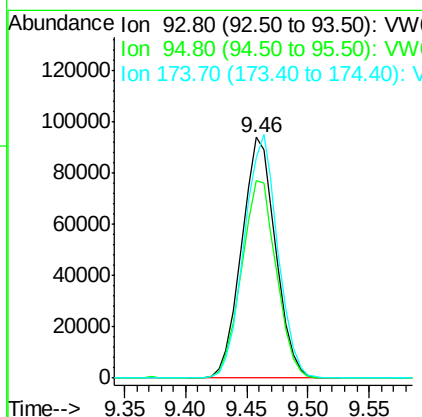
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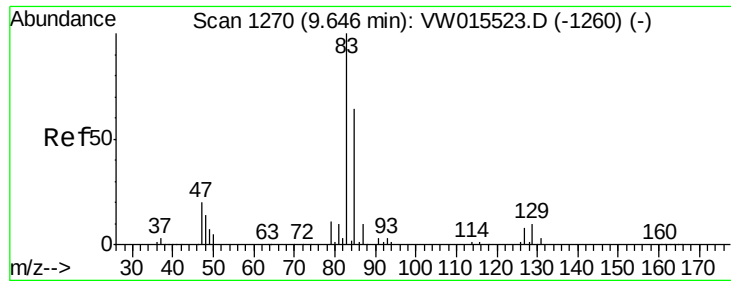
MMDadoda
 6/2/2020 4:00:21 PM



#46
 Dibromomethane
 Concen: 146.664 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.1	97.7
174	100.1	78.6	118.0





#47

Bromodichloromethane

Concen: 149.756 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

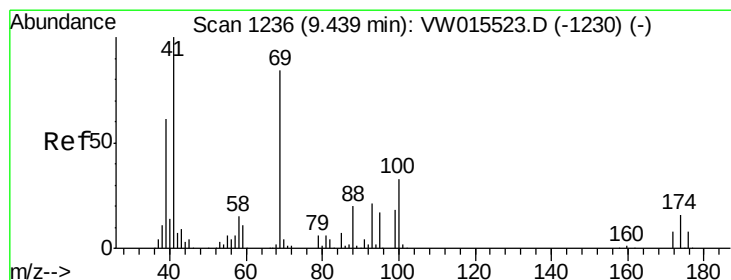
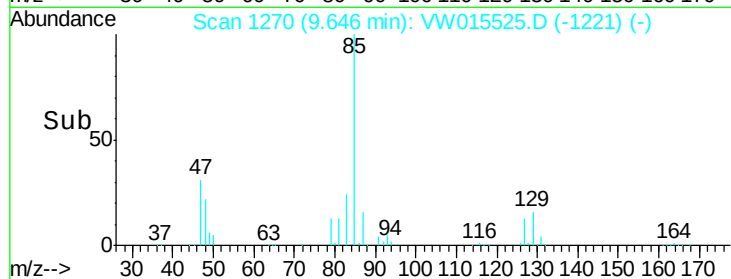
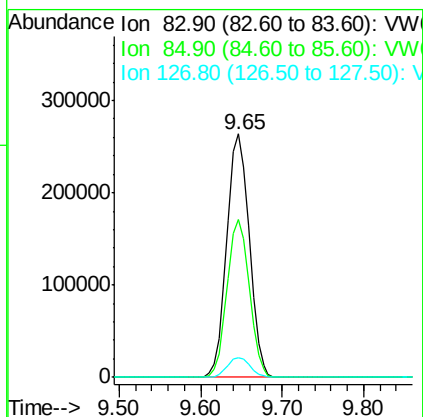
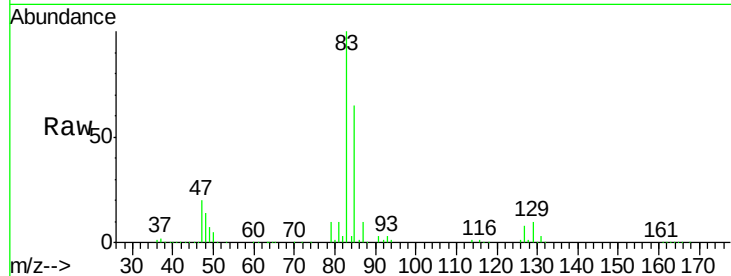
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	500443
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.1	76.7
127	8.3	6.4	9.6

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#48

Methyl methacrylate

Concen: 145.007 ug/l

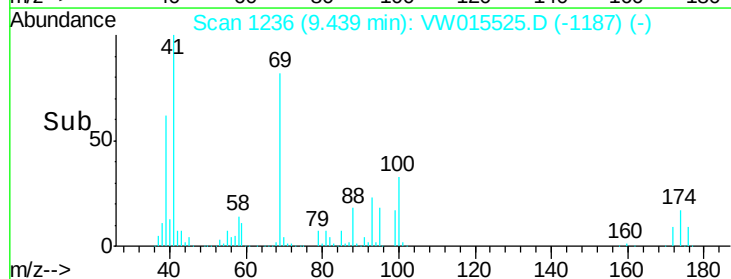
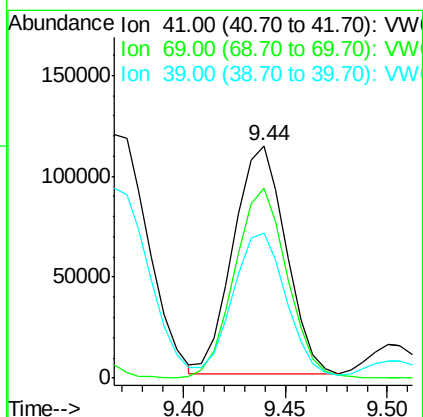
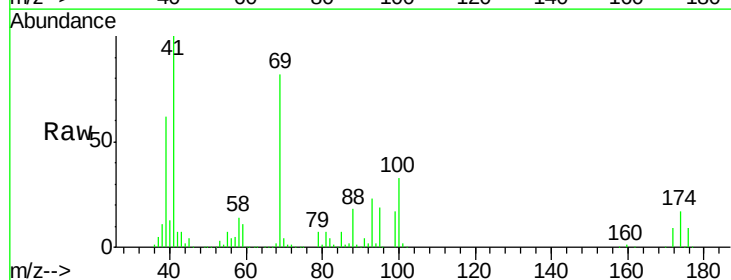
RT: 9.44 min Scan# 1236

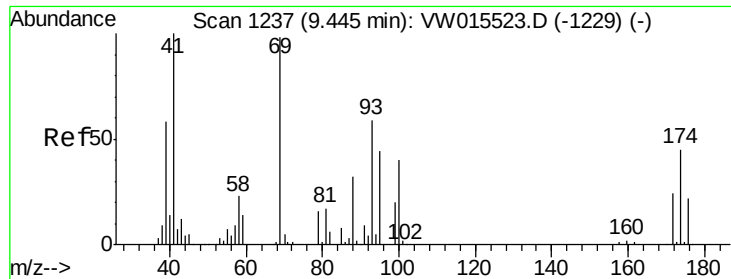
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	41	Resp:	200579
Ion Ratio	Lower	Upper	
41	100		
69	84.5	67.8	101.8
39	62.5	50.2	75.2





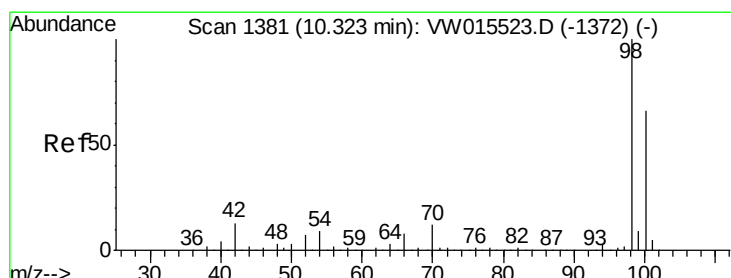
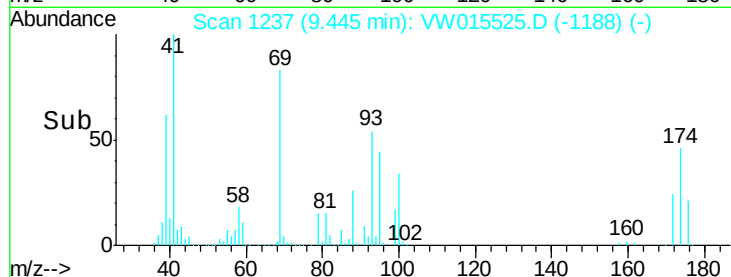
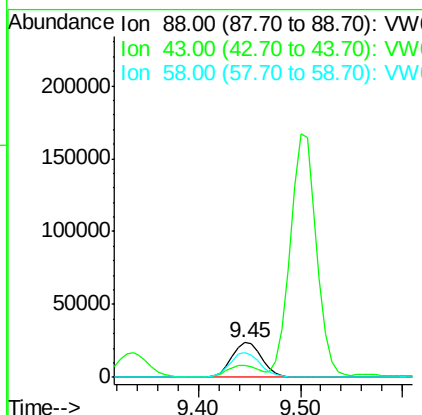
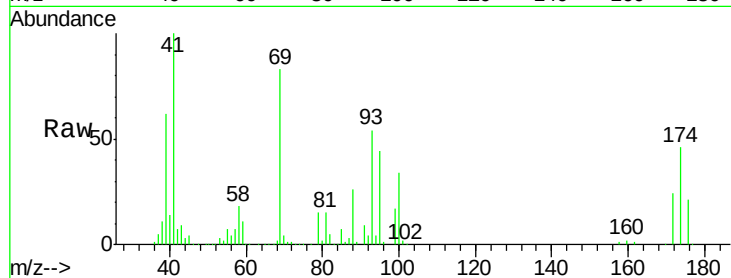
#49
1,4-Dioxane
Concen: 3064.051 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.9	41.9
58	70.7	58.8	88.2

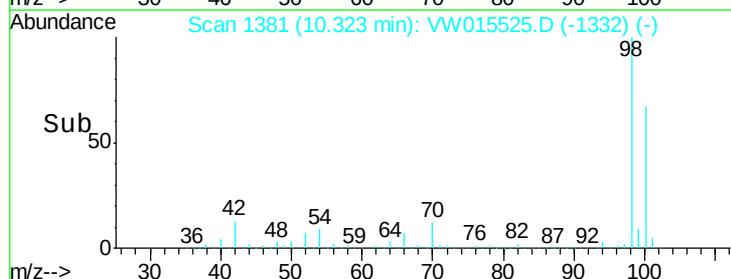
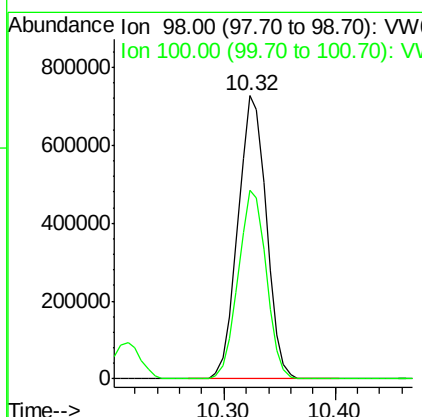
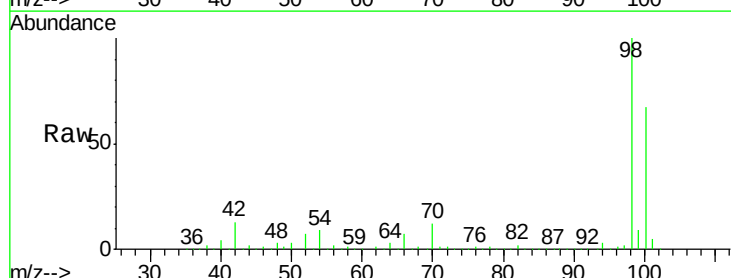
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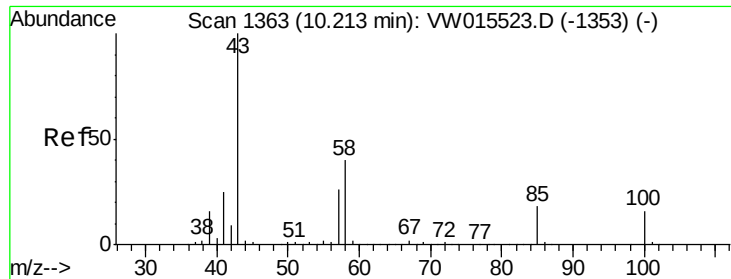
MMDadoda
6/2/2020 4:00:21 PM



#50
Toluene-d8
Concen: 148.159 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 710.252 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1002610

Ion Ratio Lower Upper

43 100

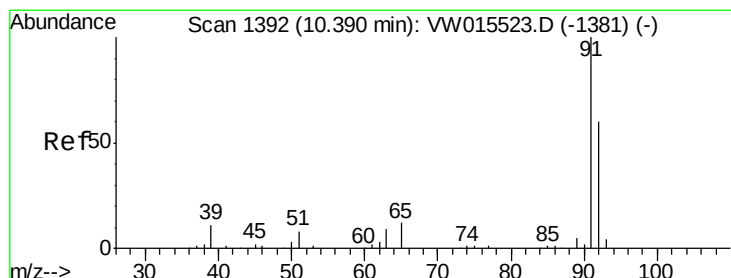
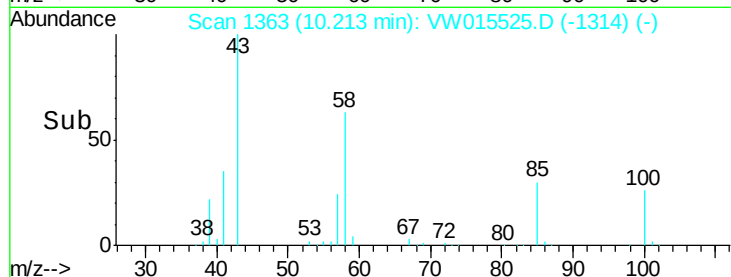
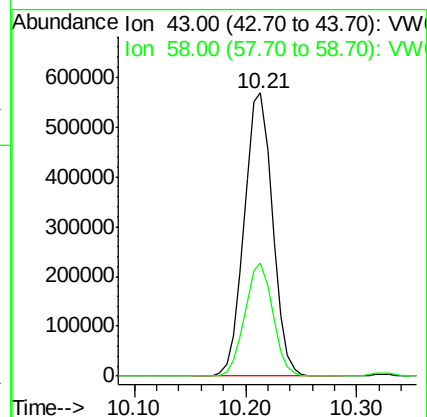
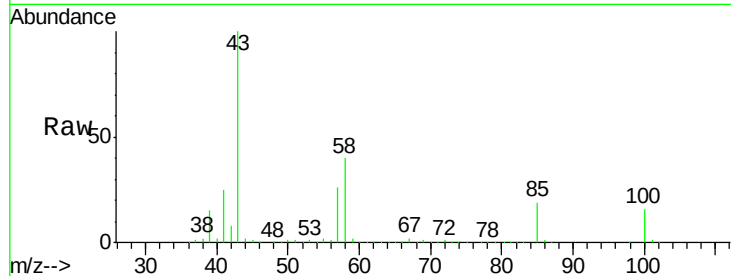
58 39.4 31.4 47.0

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#52

Toluene

Concen: 146.264 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015525.D

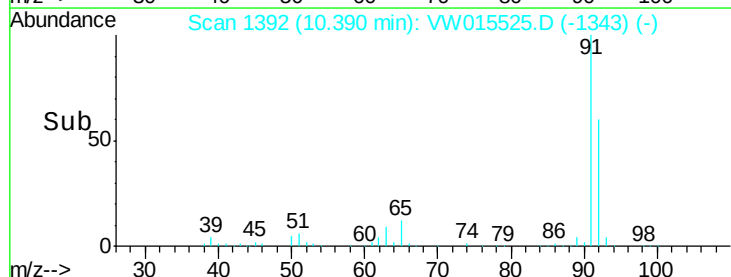
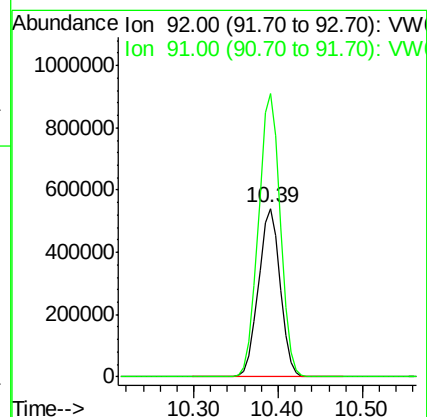
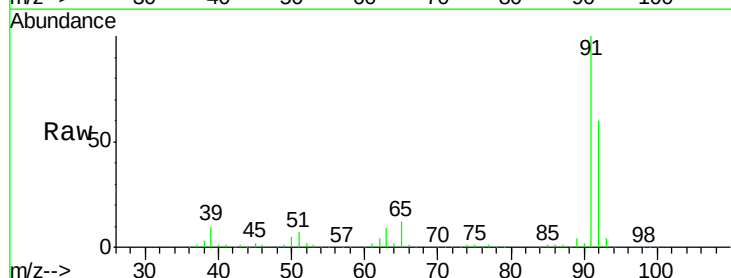
Acq: 02 Jun 2020 13:23

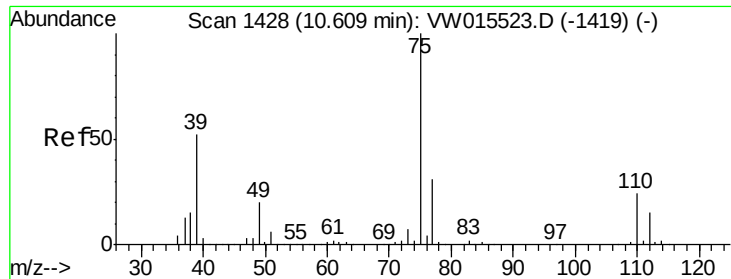
Tgt Ion: 92 Resp: 942633

Ion Ratio Lower Upper

92 100

91 169.8 136.5 204.7





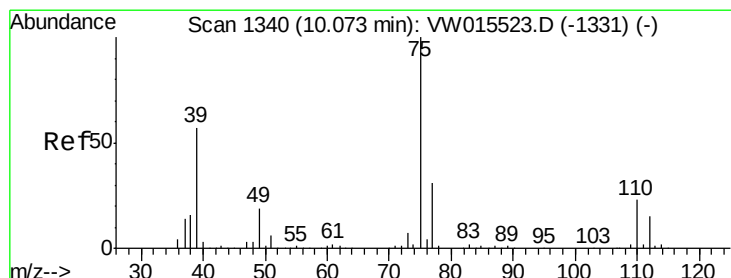
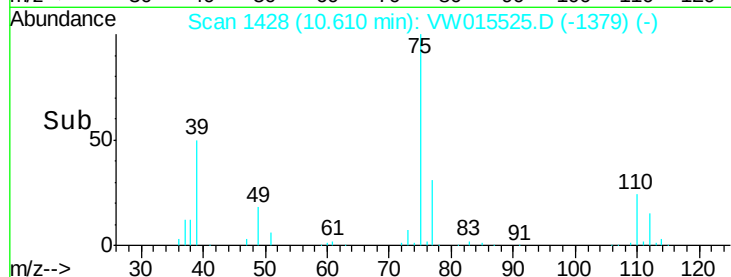
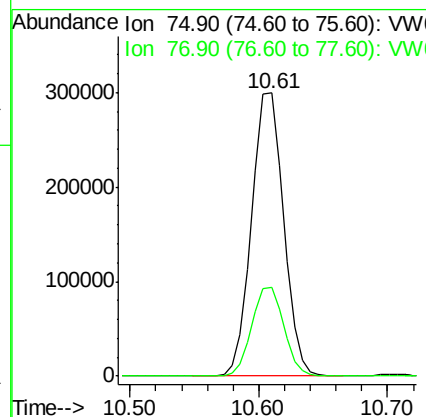
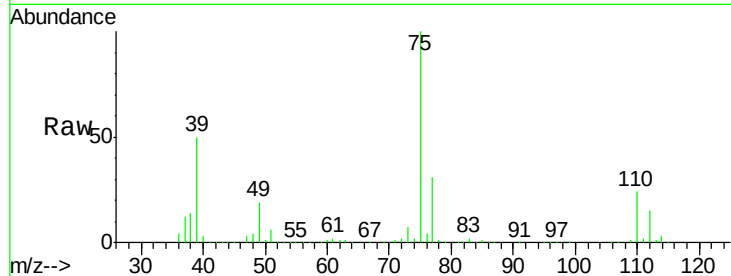
#53
 t-1,3-Dichloropropene
 Concen: 150.744 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	75	Resp	514542
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.0	37.4

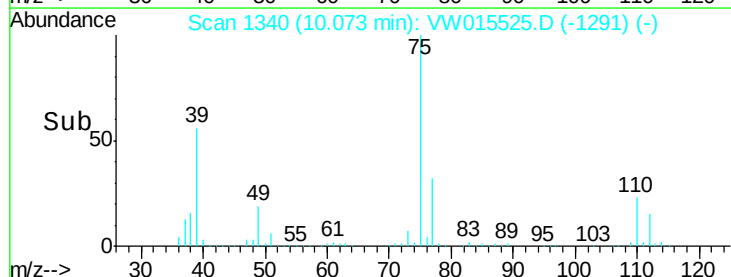
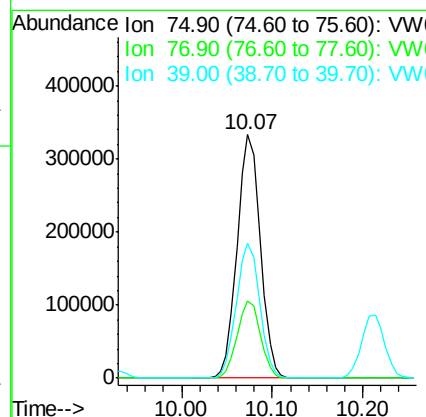
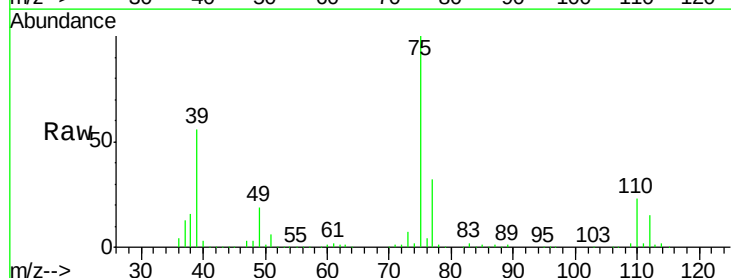
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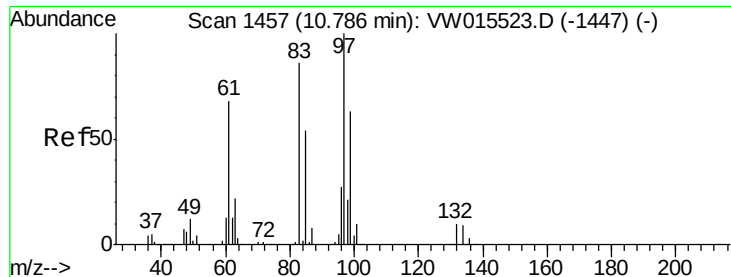
MMDadoda
 6/2/2020 4:00:21 PM



#54
 cis-1,3-Dichloropropene
 Concen: 148.385 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	75	Resp	593259
Ion Ratio	Lower	Upper	
75	100		
77	31.9	24.9	37.3
39	55.5	45.4	68.2





#55

1,1,2-Trichloroethane

Concen: 146.205 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

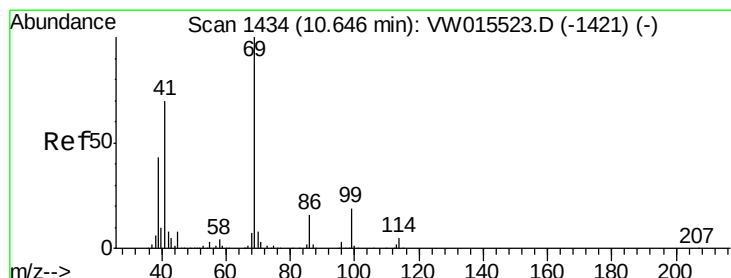
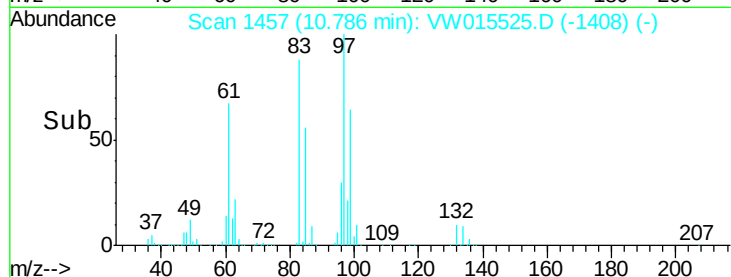
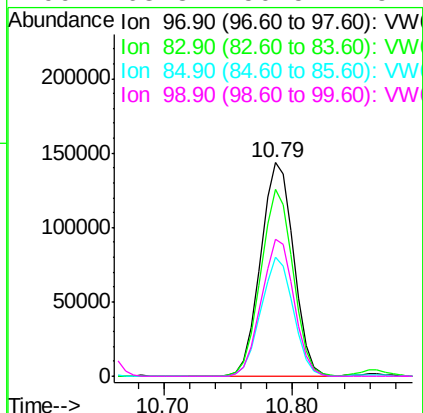
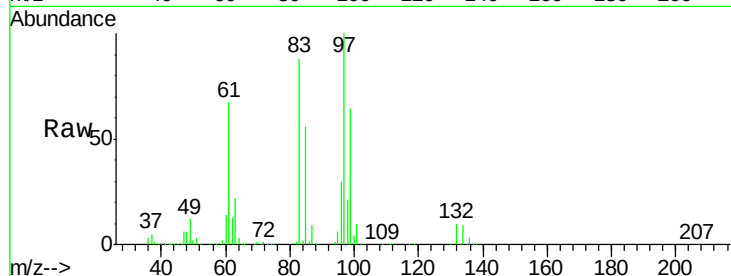
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	255157
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.6	102.8
85	55.6	43.2	64.8
99	63.8	50.5	75.7

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#56

Ethyl methacrylate

Concen: 146.464 ug/l

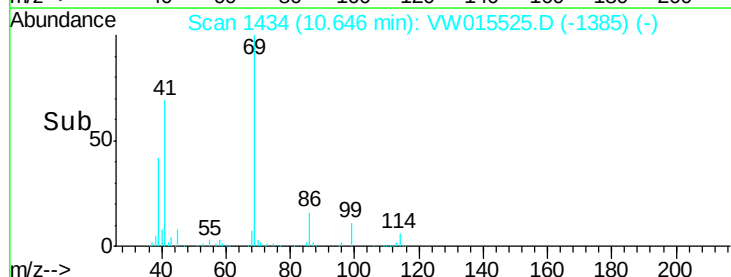
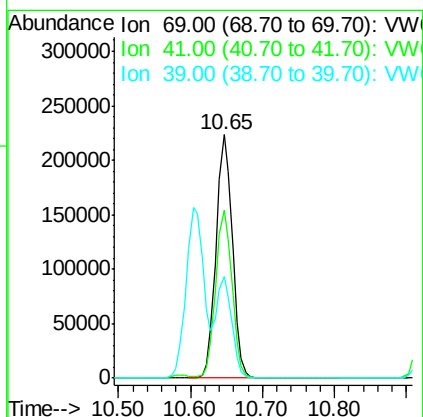
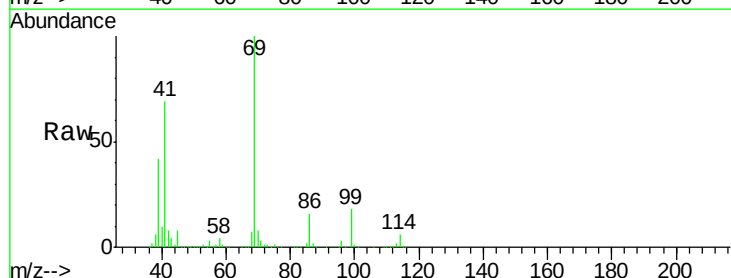
RT: 10.65 min Scan# 1434

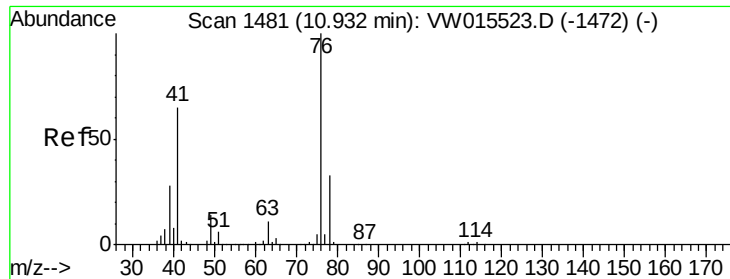
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	69	Resp:	349134
Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.2	84.4
39	39.4	33.3	49.9





#57

1,3-Dichloropropane

Concen: 145.135 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 453444

Ion Ratio Lower Upper

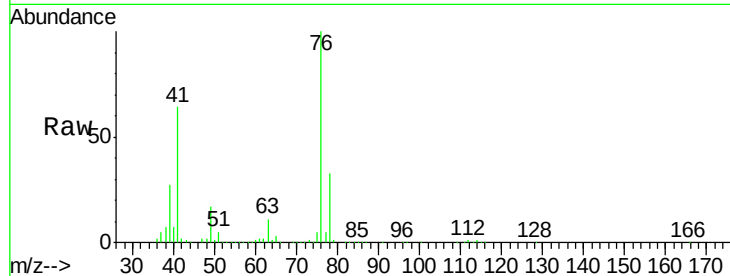
76 100

78 32.6 26.1 39.1

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

250000

200000

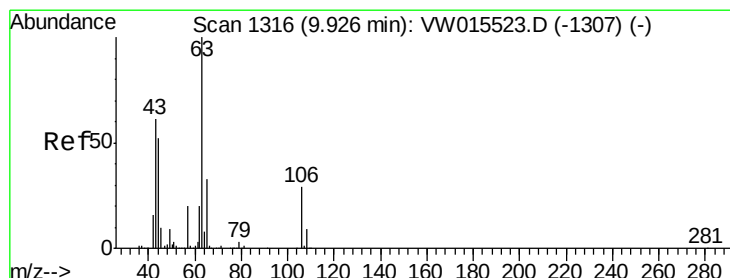
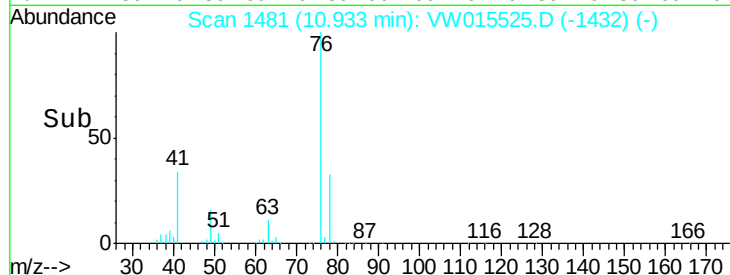
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 709.310 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015525.D

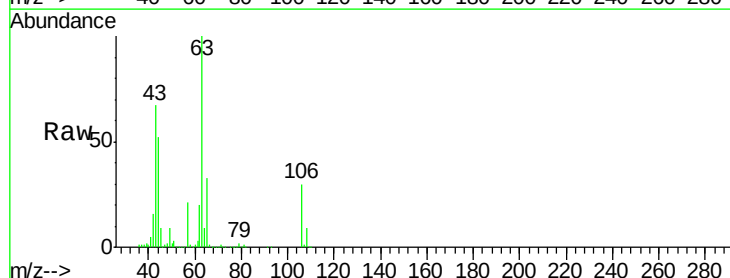
Acq: 02 Jun 2020 13:23

Tgt Ion: 63 Resp: 804862

Ion Ratio Lower Upper

63 100

106 29.1 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

500000

400000

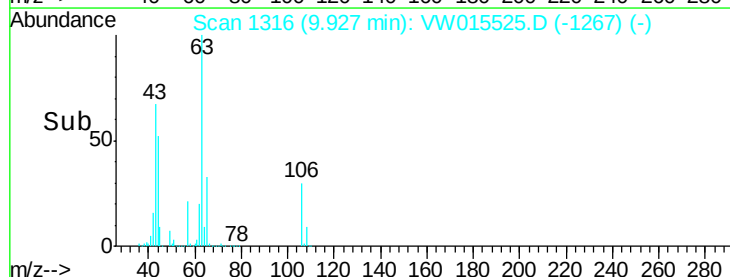
300000

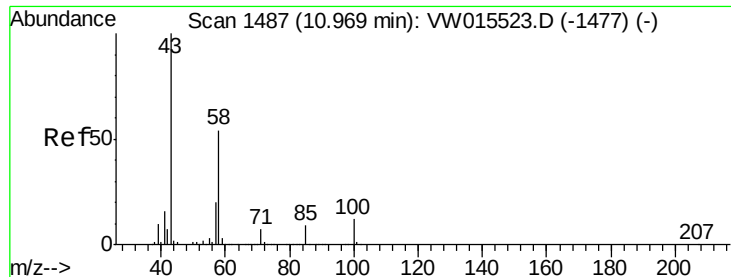
200000

100000

0

Time-->





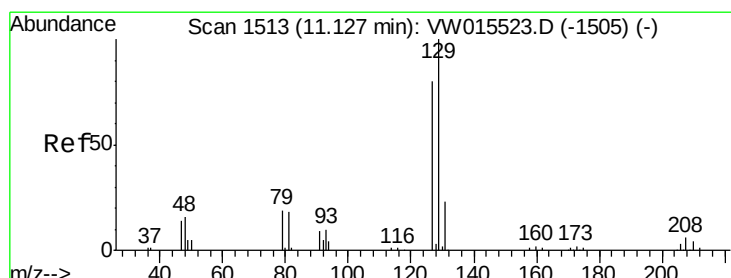
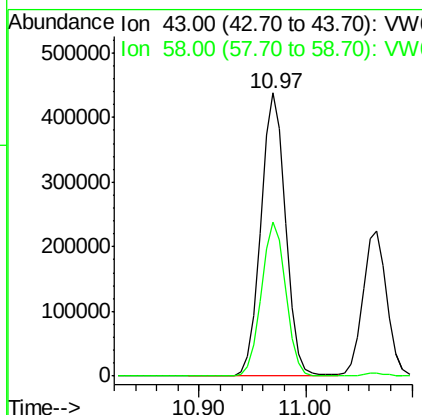
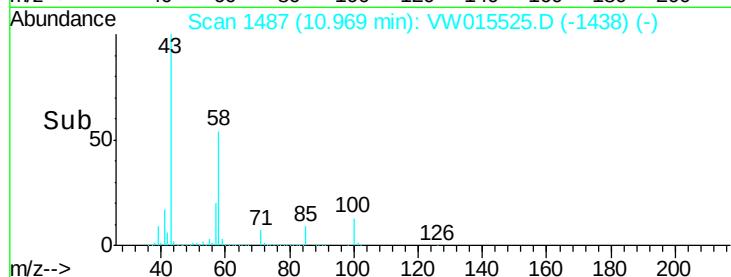
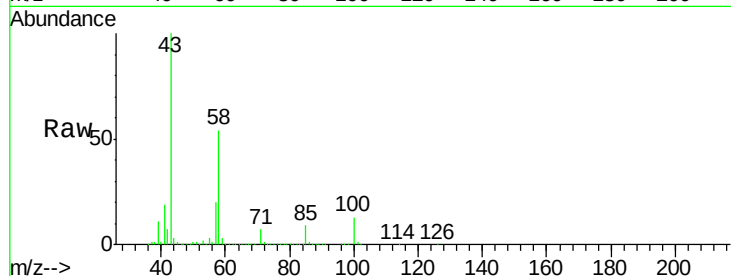
#59
2-Hexanone
Concen: 737.795 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 712573
Ion Ratio Lower Upper
43 100
58 53.8 26.8 80.3

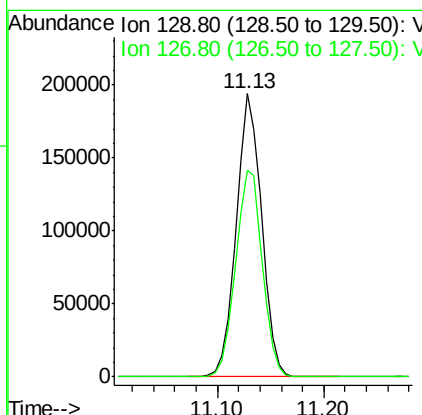
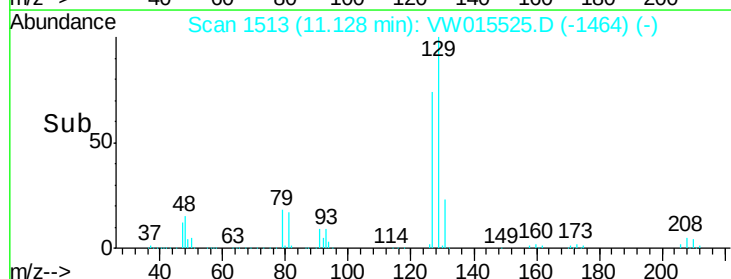
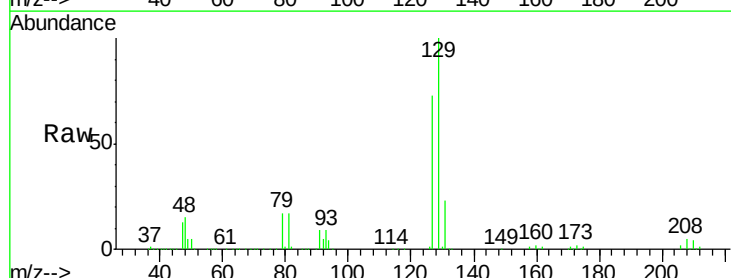
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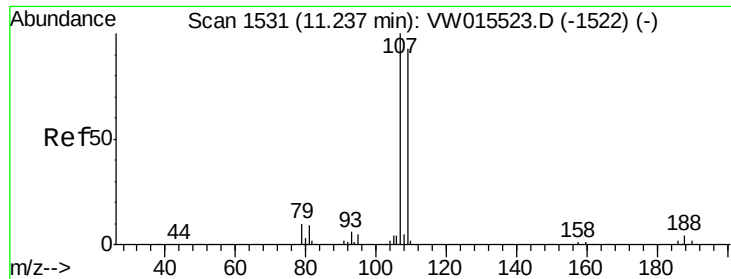
MMDadoda
6/2/2020 4:00:21 PM



#60
Dibromochloromethane
Concen: 154.552 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion: 129 Resp: 325054
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





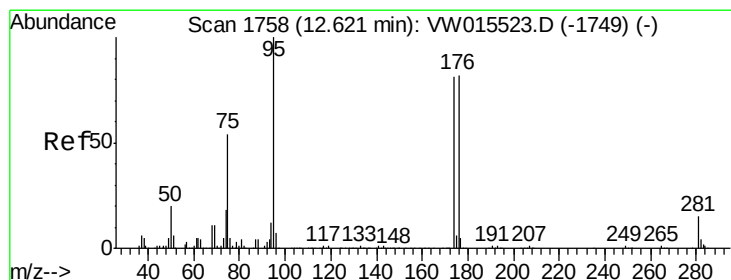
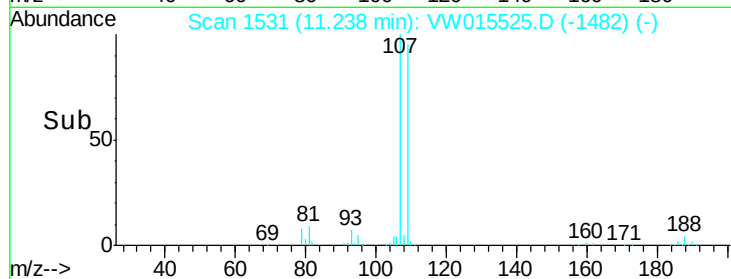
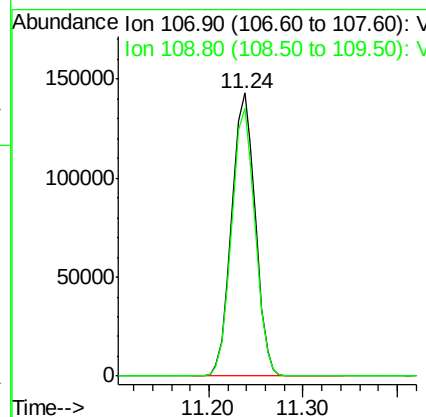
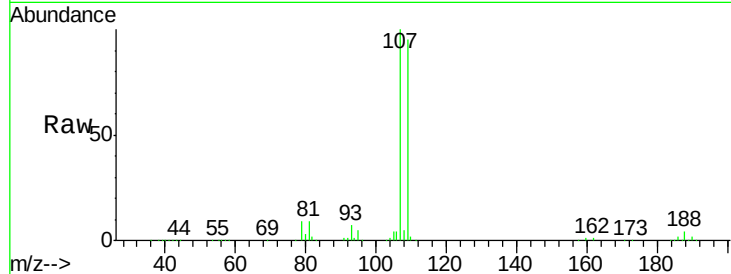
#61
 1,2-Dibromoethane
 Concen: 150.791 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	249458		
109	94.1	74.6	111.8	

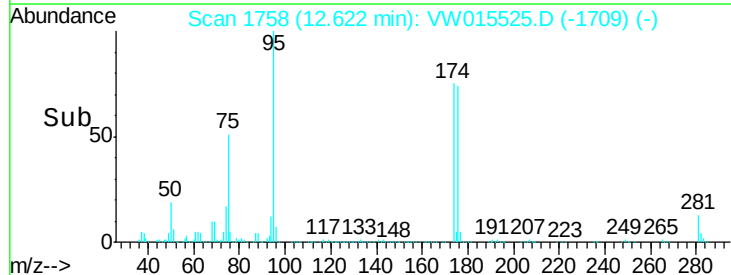
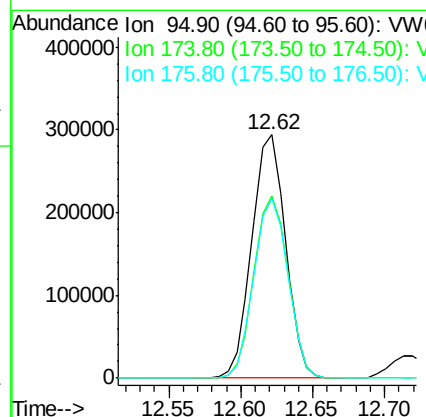
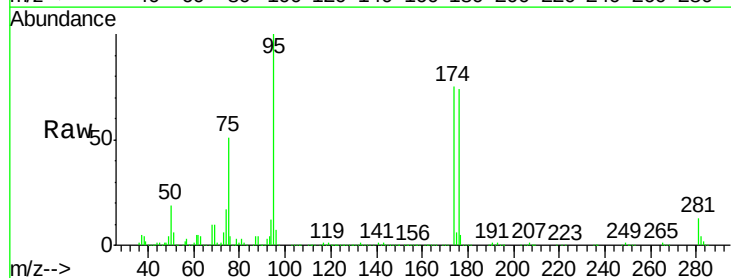
Manual Integrations
 APPROVED

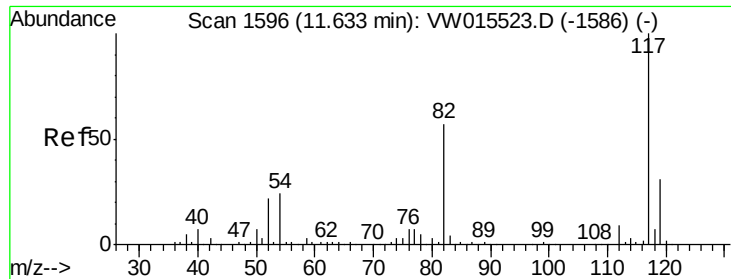
MMDadoda
 6/2/2020 4:00:21 PM



#62
 4-Bromofluorobenzene
 Concen: 149.006 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	476078		
174	75.9	0.0	153.6	
176	74.7	0.0	152.8	





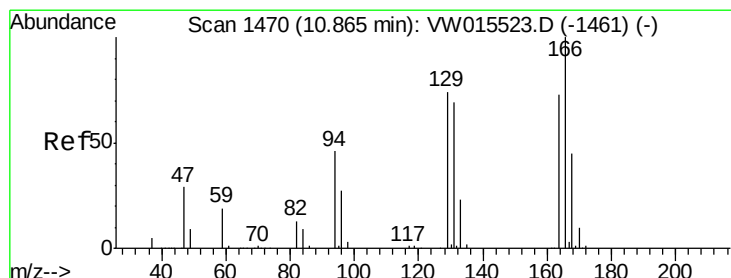
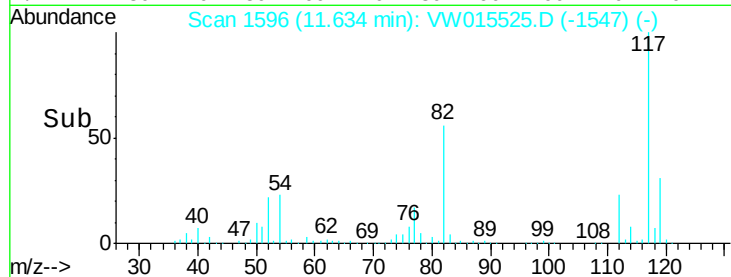
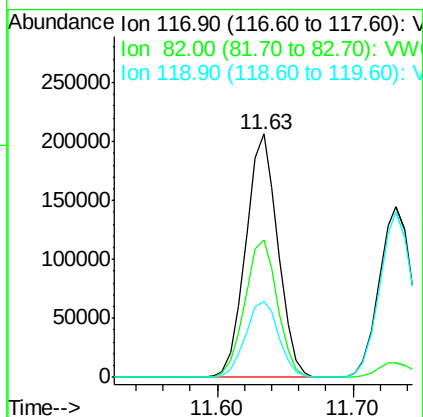
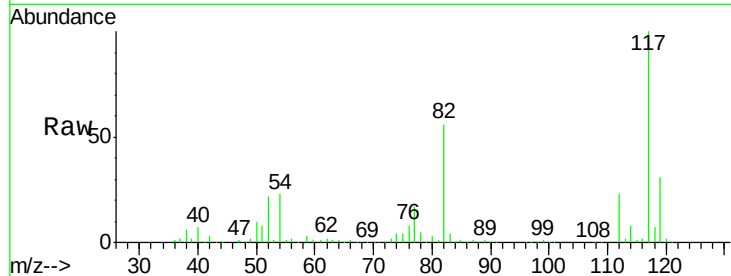
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.8
119	31.3	24.7	37.1

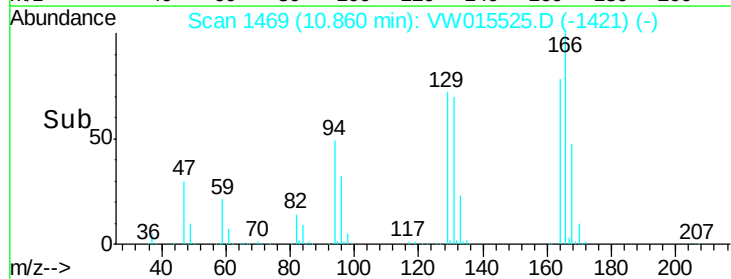
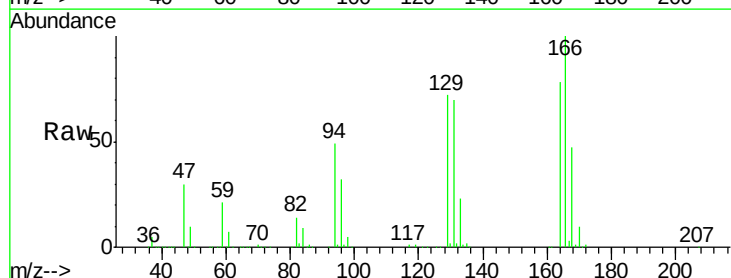
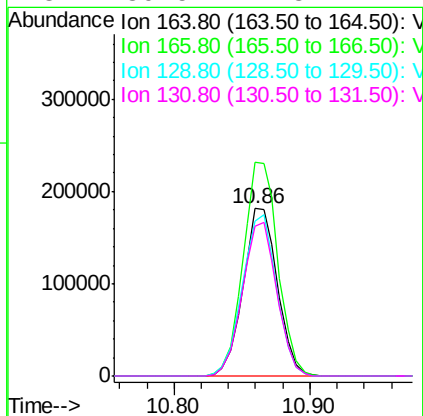
Manual Integrations
APPROVED

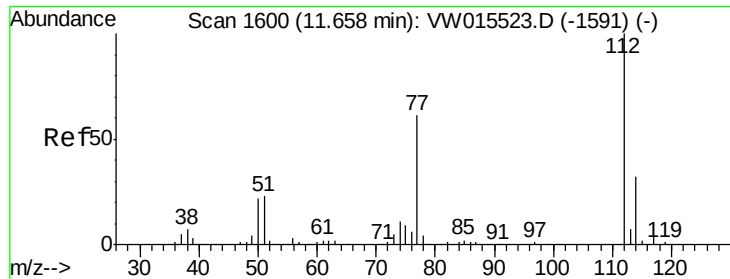
MMDadoda
6/2/2020 4:00:21 PM



#64
Tetrachloroethene
Concen: 151.171 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	109.0	163.6
129	92.6	81.0	121.4
131	89.5	74.8	112.2





#65

Chlorobenzene

Concen: 145.023 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 986691

Ion Ratio Lower Upper

112 100

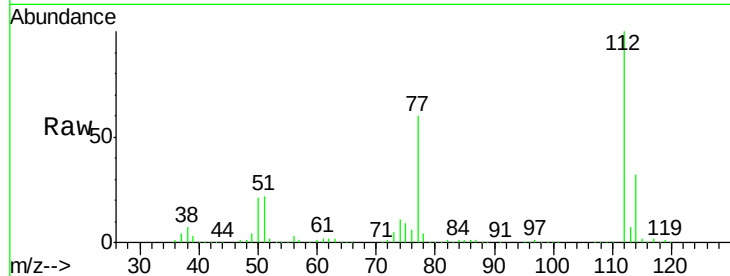
114 32.4 25.8 38.6

Manual Integrations

APPROVED

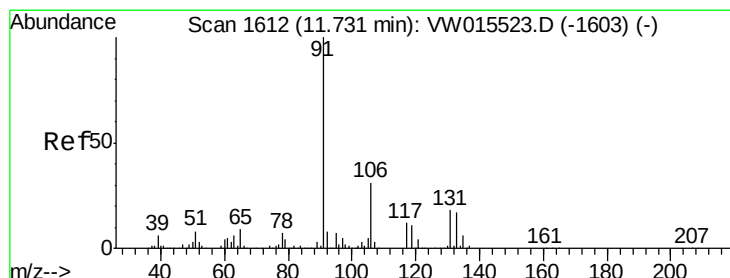
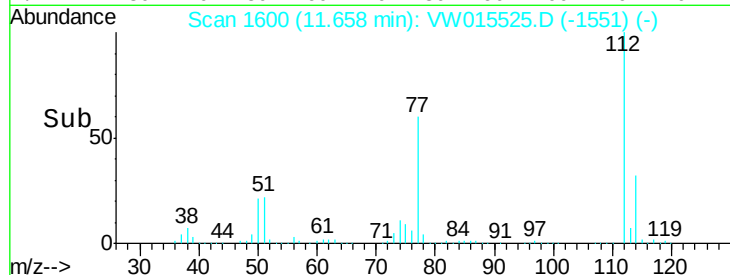
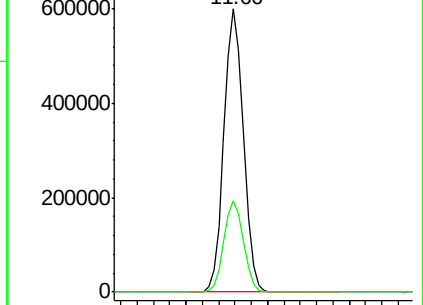
MMDadoda

6/2/2020 4:00:21 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 148.929 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

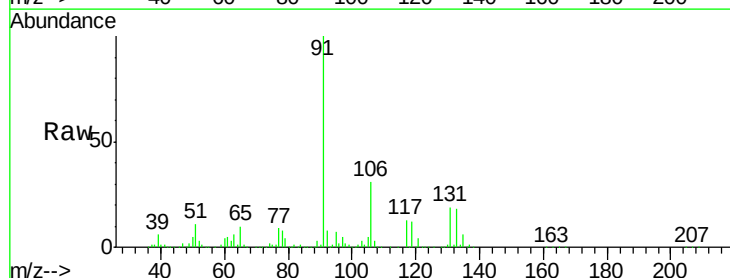
Tgt Ion:131 Resp: 360015

Ion Ratio Lower Upper

131 100

133 94.9 48.3 144.8

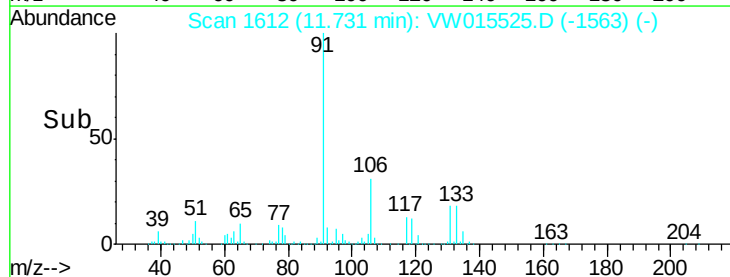
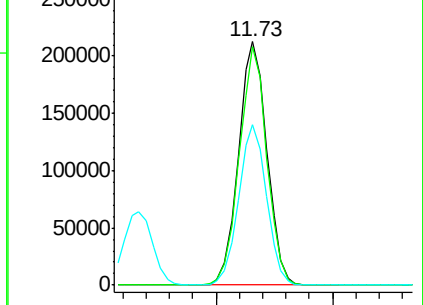
119 65.0 32.5 97.5

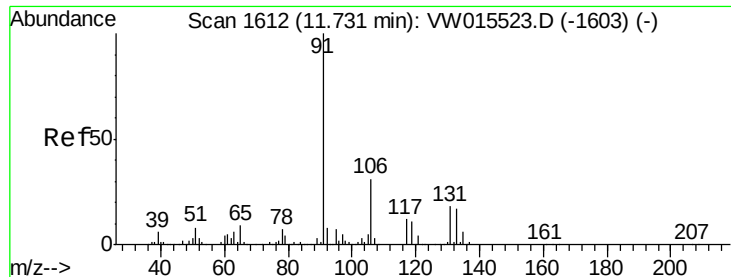


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





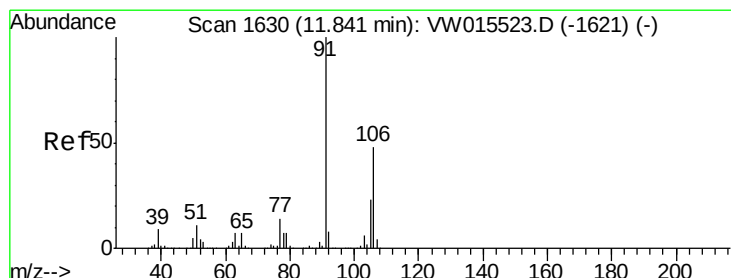
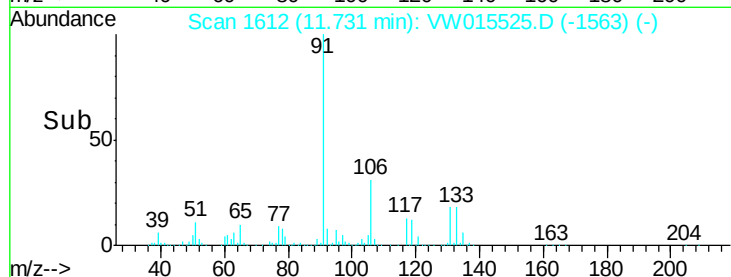
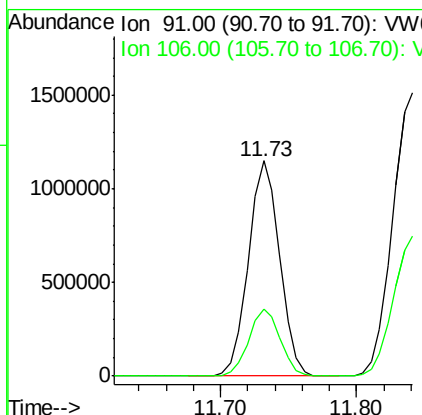
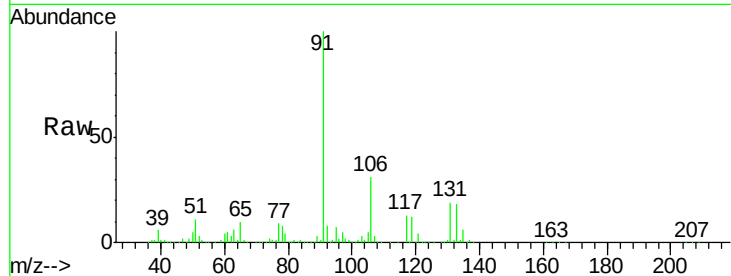
#67
Ethyl Benzene
Concen: 142.384 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1850242
Ion Ratio Lower Upper
91 100
106 30.9 24.5 36.7

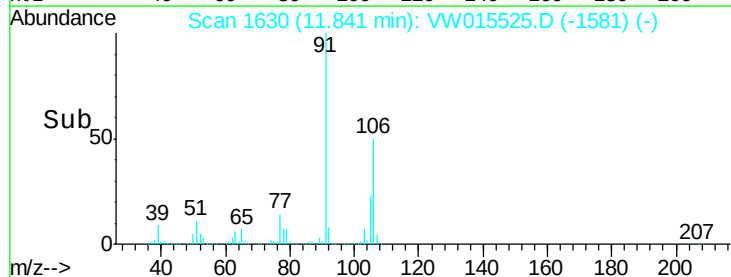
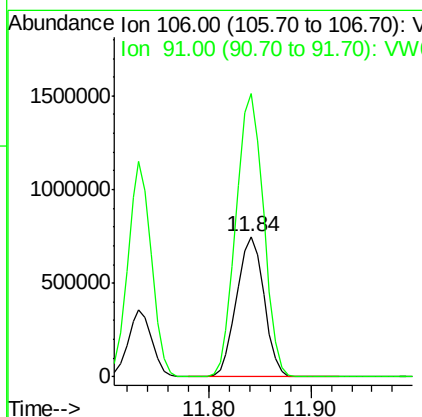
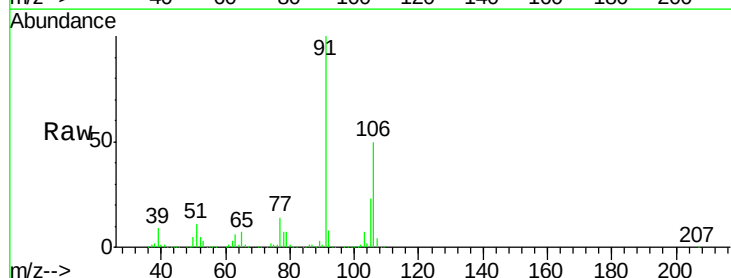
Manual Integrations
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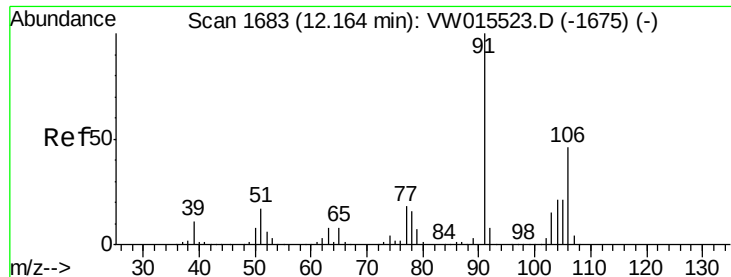
MMDadoda
6/2/2020 4:00:21 PM



#68
m/p-Xylenes
Concen: 287.325 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion: 106 Resp: 1390028
Ion Ratio Lower Upper
106 100
91 203.1 163.5 245.3





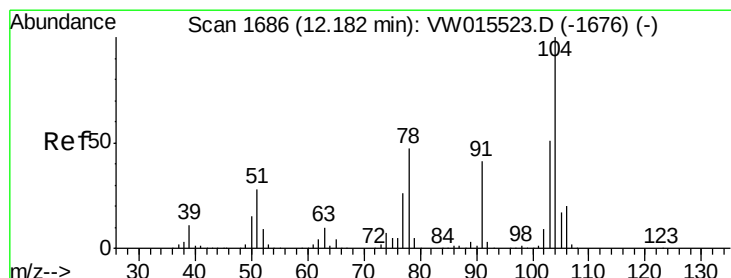
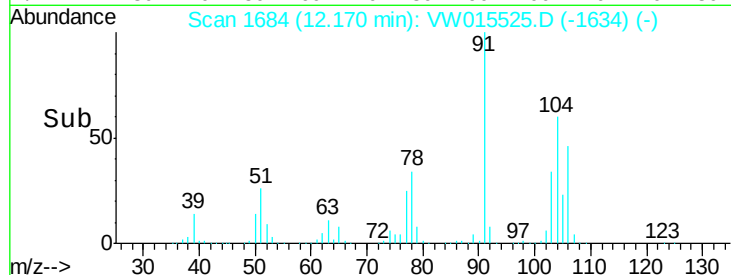
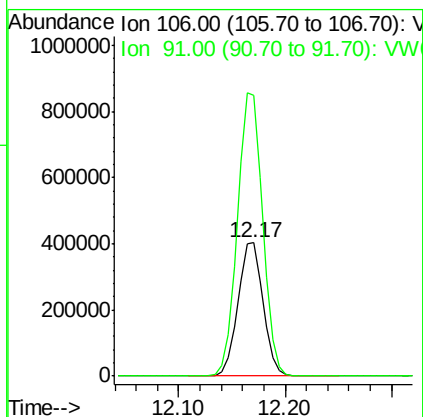
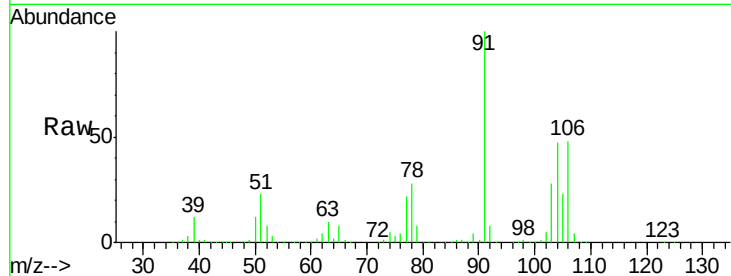
#69
o-Xylene
Concen: 147.125 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 667825
Ion Ratio Lower Upper
106 100
91 213.7 107.8 323.4

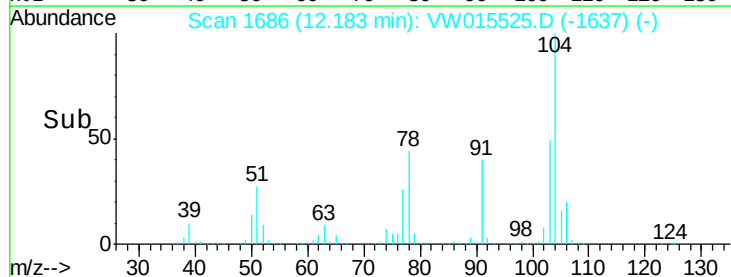
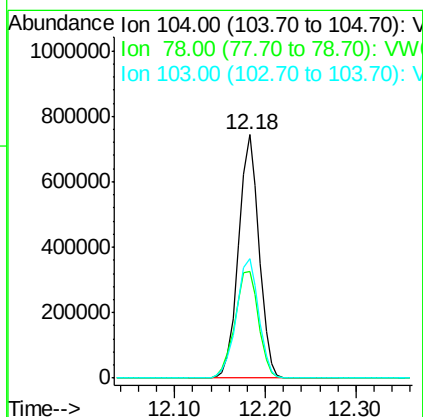
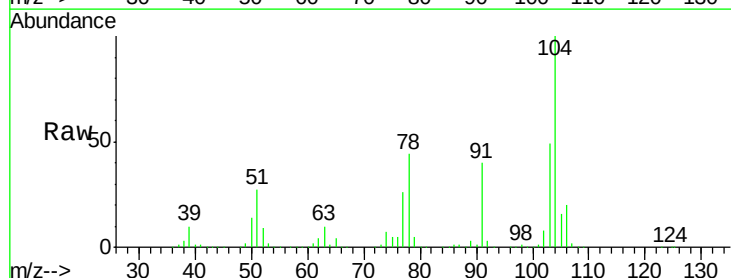
Manual Integrations
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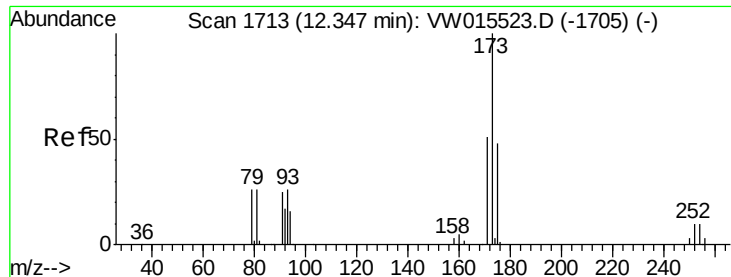
MMDadoda
6/2/2020 4:00:21 PM



#70
Styrene
Concen: 148.850 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion:104 Resp: 1163192
Ion Ratio Lower Upper
104 100
78 50.8 41.7 62.5
103 54.0 43.8 65.8





#71

Bromoform

Concen: 155.934 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

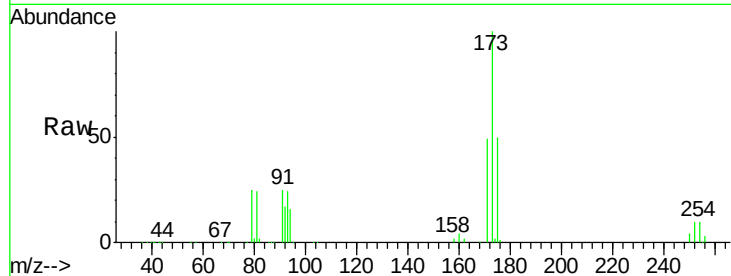
ClientSampleId :

VSTDIC150

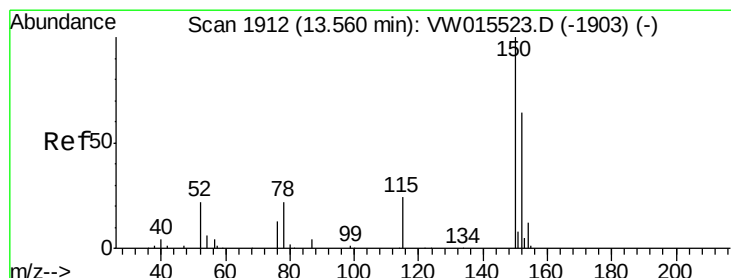
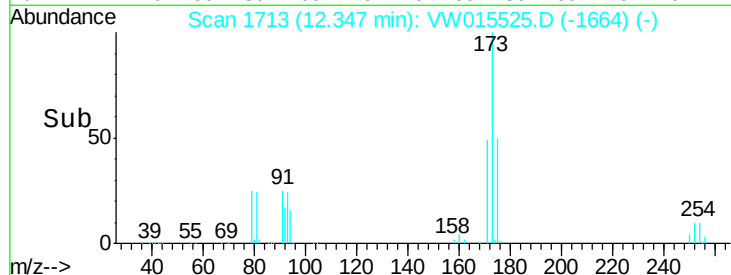
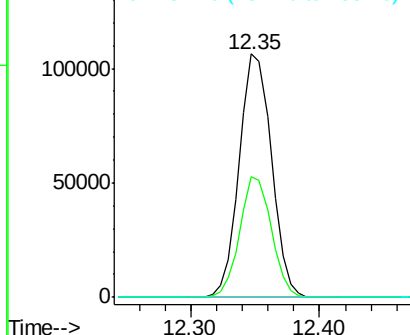
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.2	0.0	0.0

Manual Integrations
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6/2/2020 4:00:21 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

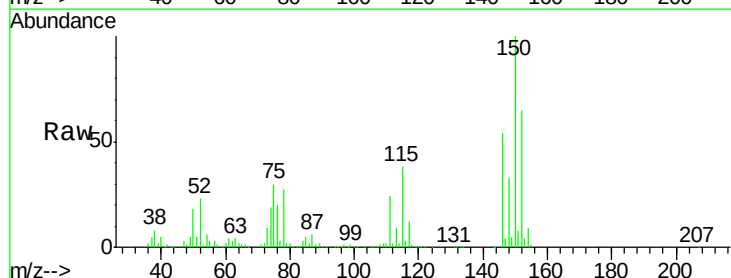
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

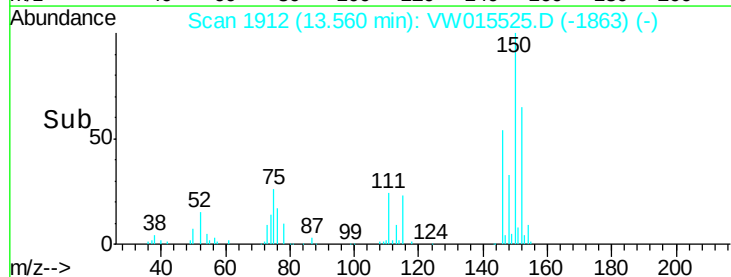
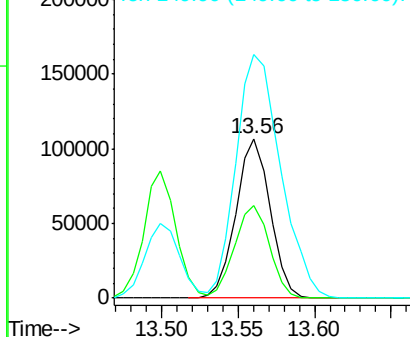
Lab File: VW015525.D

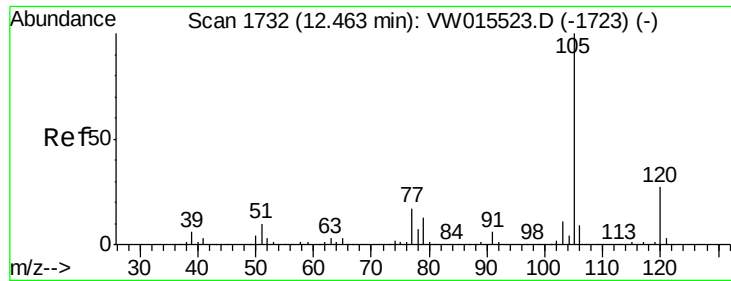
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	199.4	0.0	351.0



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





#73

Isopropylbenzene

Concen: 145.871 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1830582

Ion Ratio Lower Upper

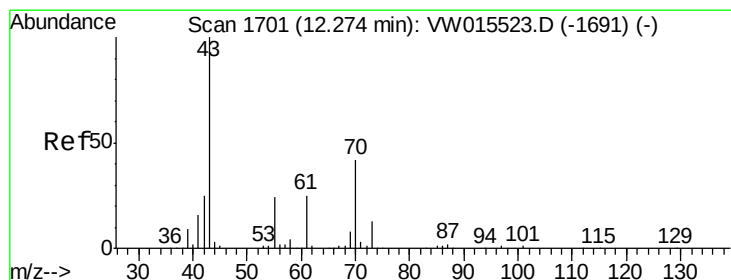
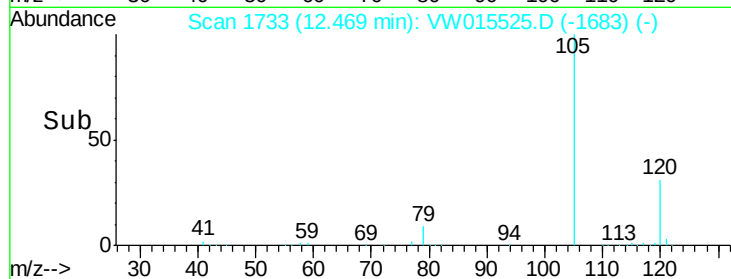
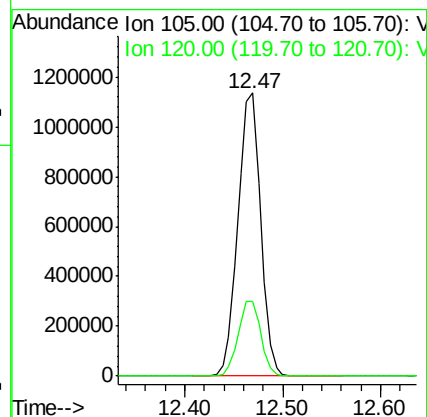
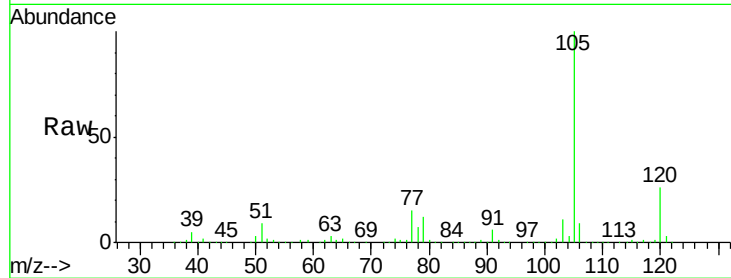
105 100

120 26.5 13.0 38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 136.766 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion: 43 Resp: 406633

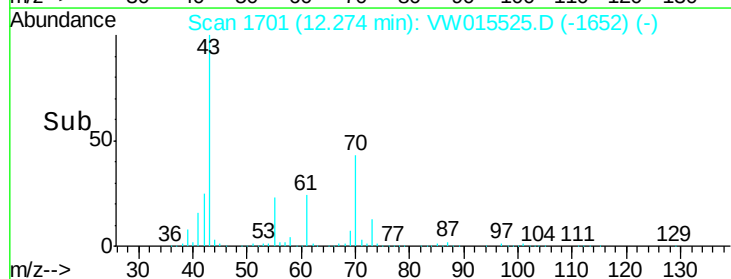
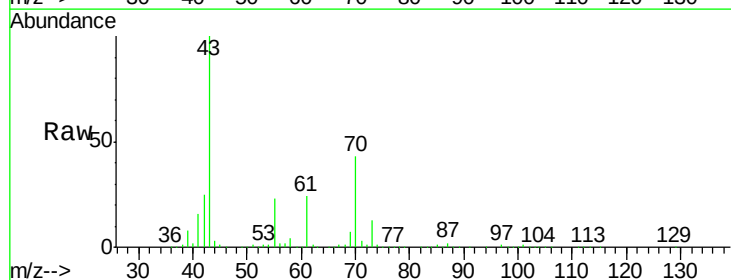
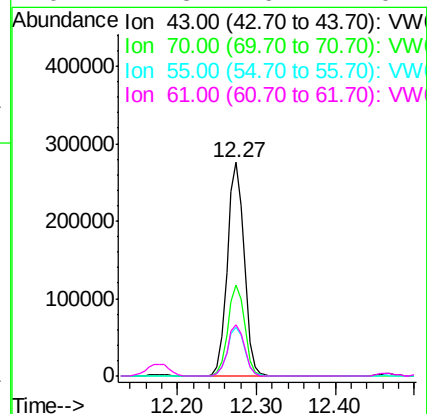
Ion Ratio Lower Upper

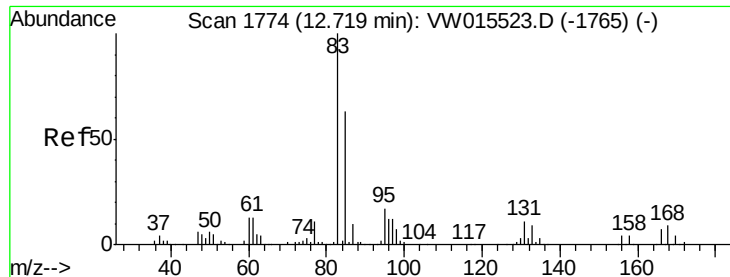
43 100

70 42.7 33.6 50.4

55 23.6 19.1 28.7

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 143.024 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

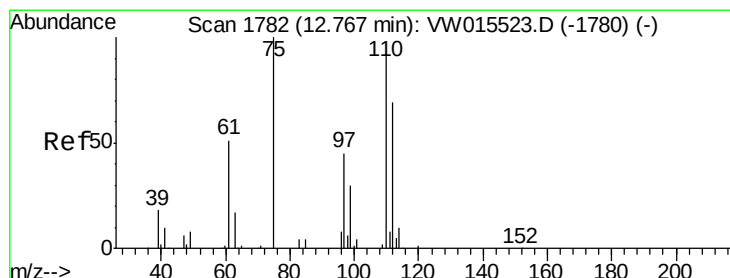
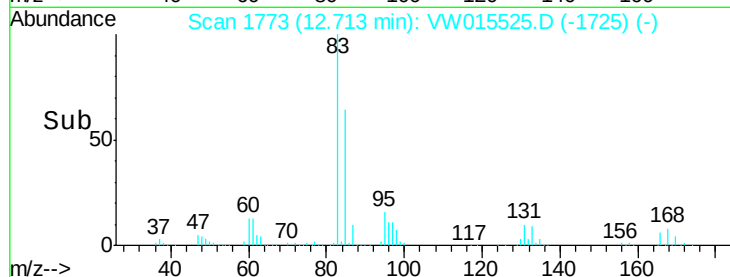
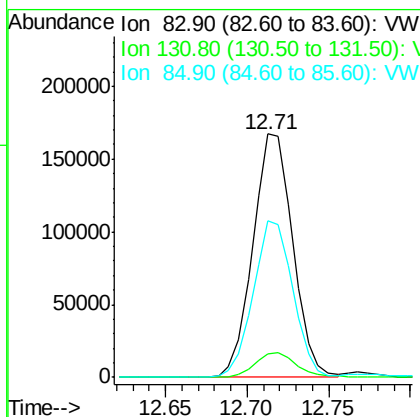
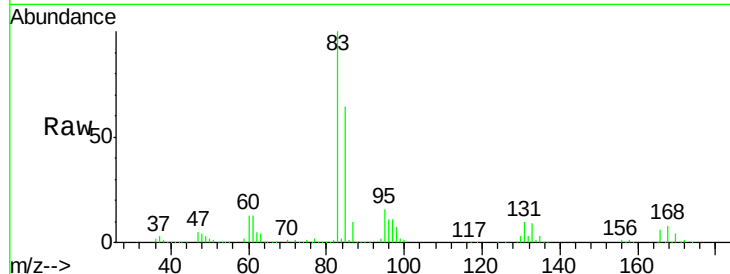
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	283574
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 147.643 ug/l m

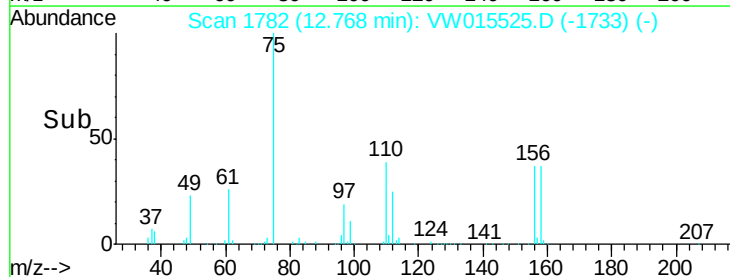
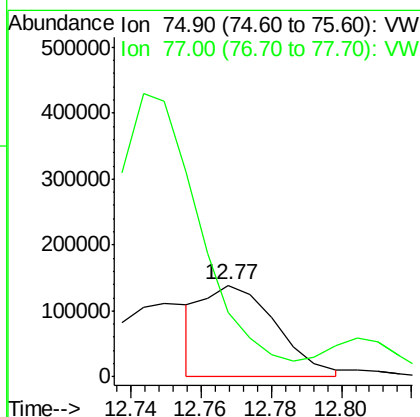
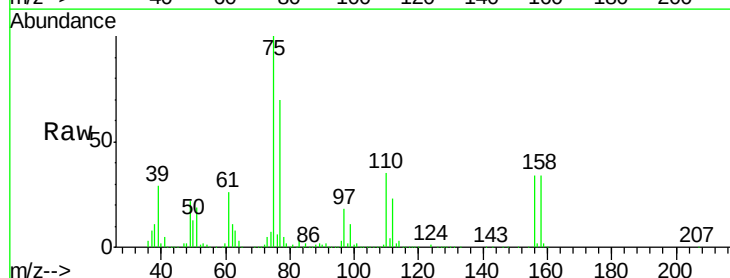
RT: 12.77 min Scan# 1782

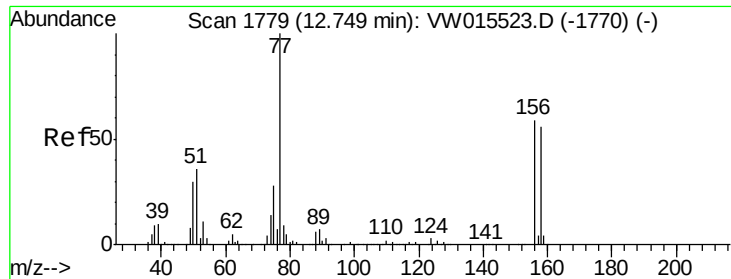
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	75	Resp:	201618
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 149.384 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

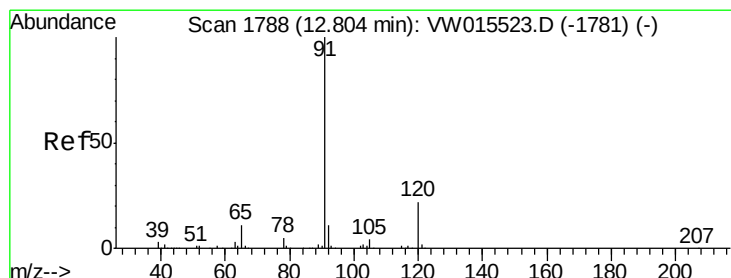
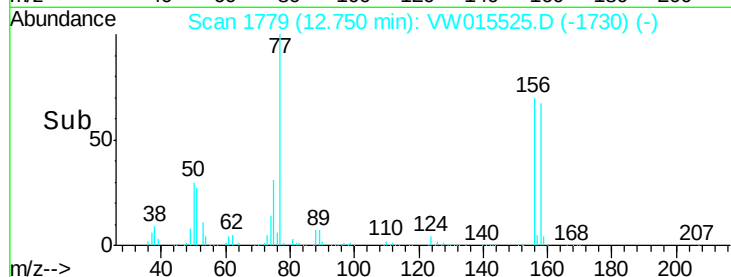
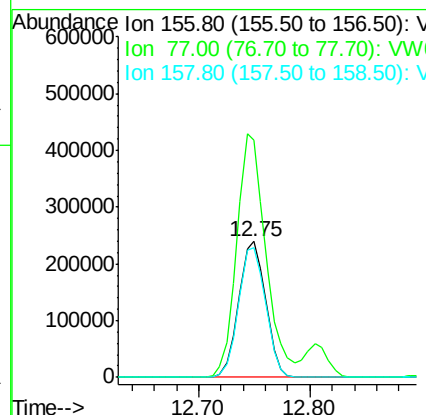
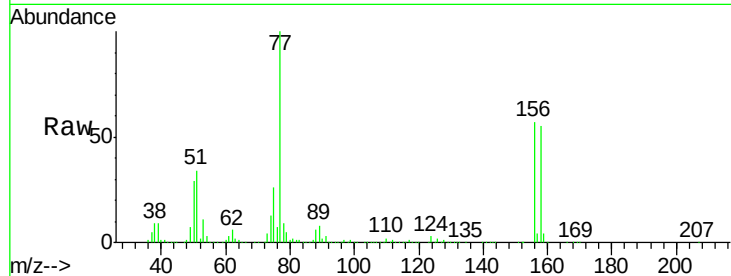
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.0	97.3	291.8
158	96.7	48.5	145.6

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#78

n-propylbenzene

Concen: 143.647 ug/l

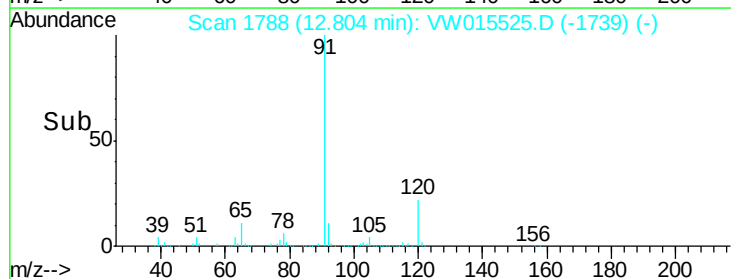
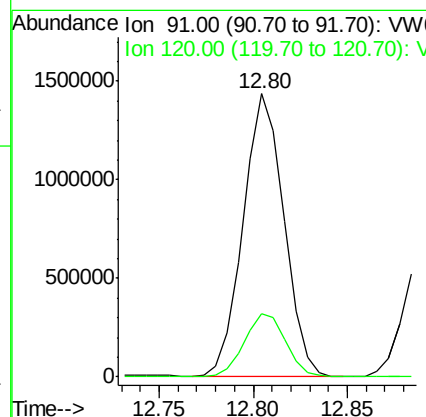
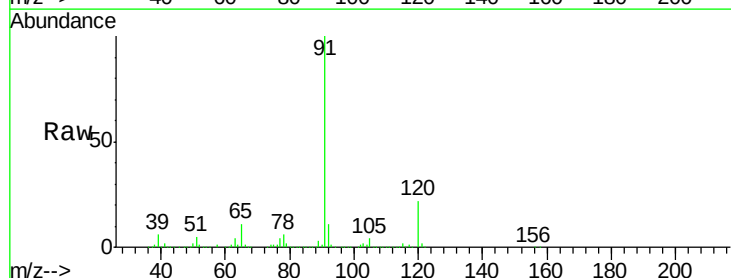
RT: 12.80 min Scan# 1788

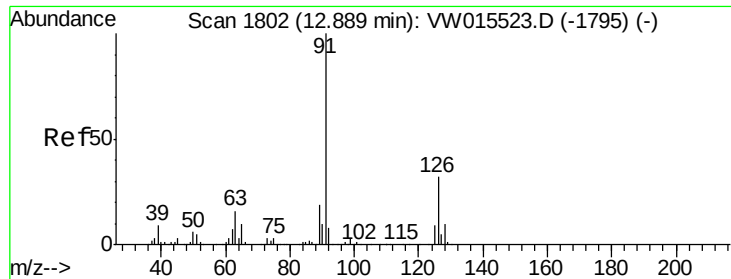
Delta R.T. 0.00 min

Lab File: VW015525.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





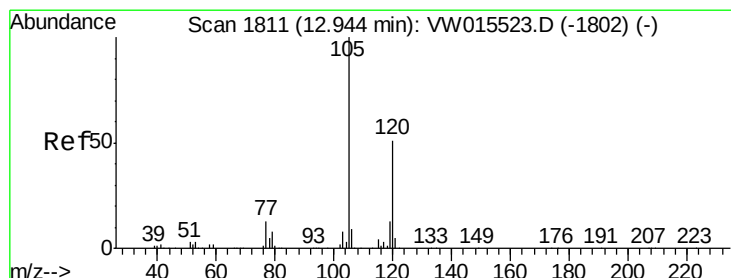
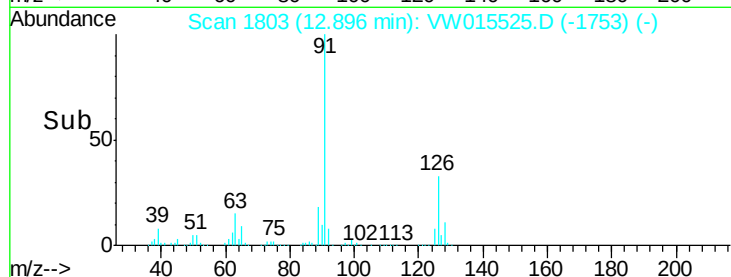
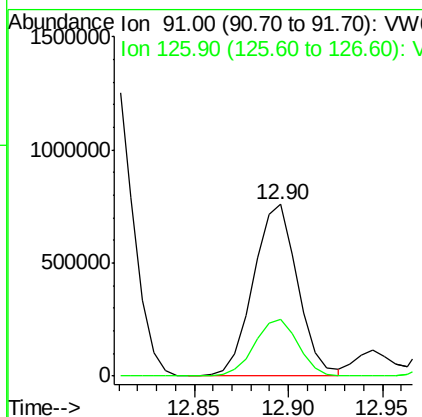
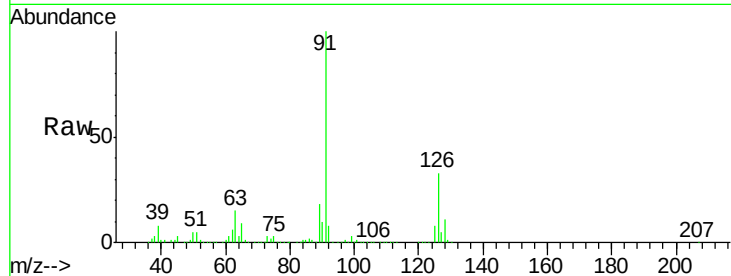
#79
 2-Chlorotoluene
 Concen: 145.274 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 91 Resp: 1232636
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.2 48.5

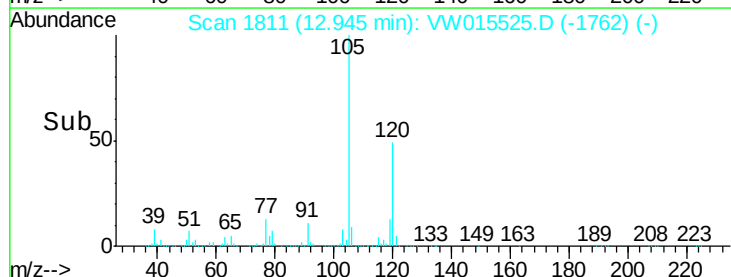
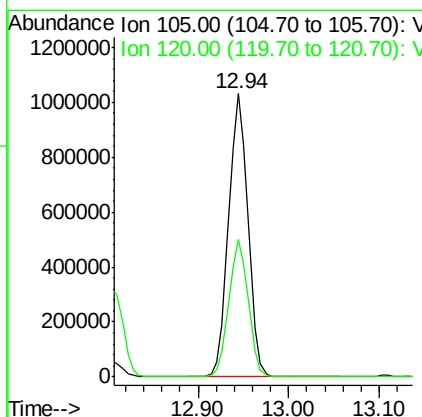
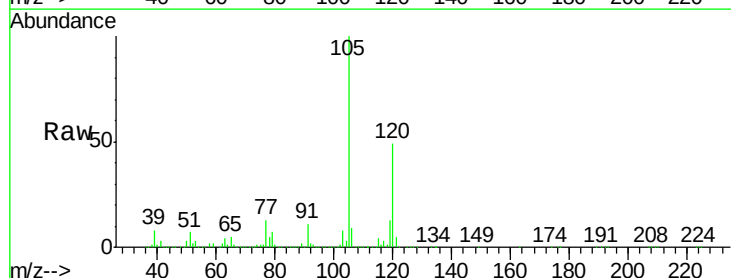
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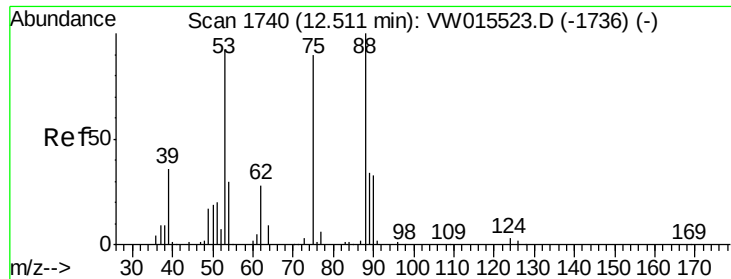
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 144.400 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion: 105 Resp: 1522419
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 145.938 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

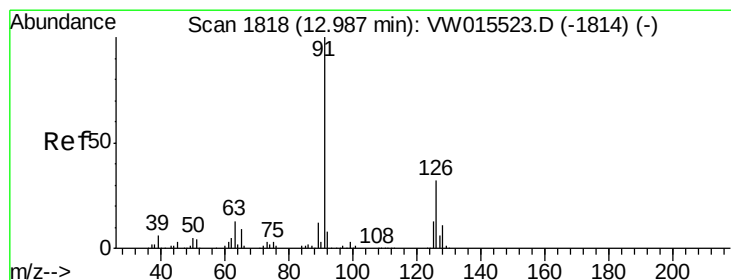
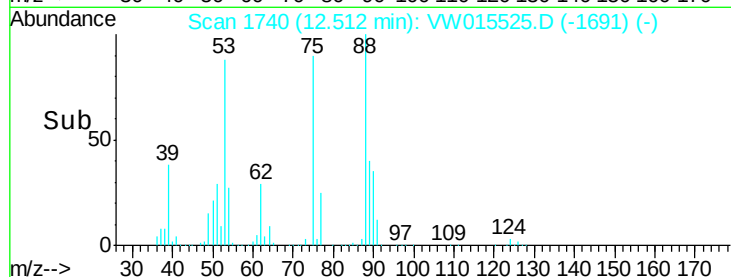
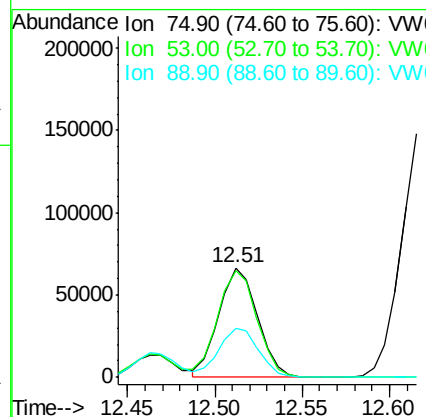
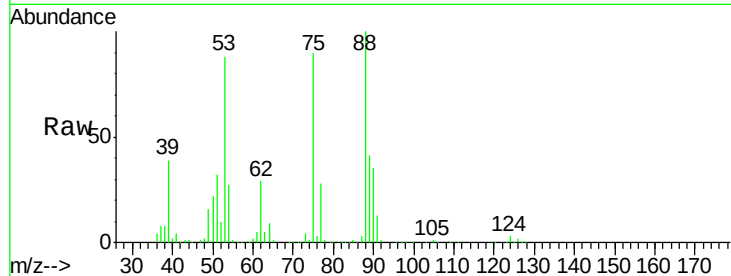
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	102509
Ion Ratio	Lower	Upper	
75	100		
53	100.2	84.0	126.0
89	46.3	36.6	55.0

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#82

4-Chlorotoluene

Concen: 141.497 ug/l

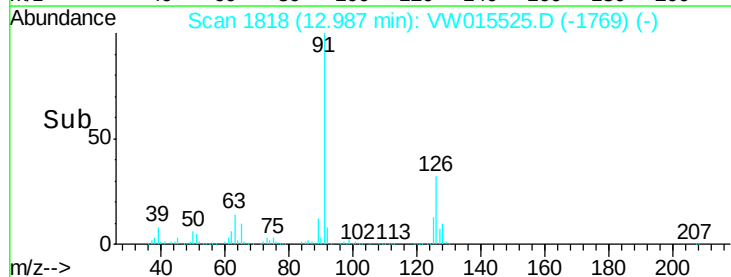
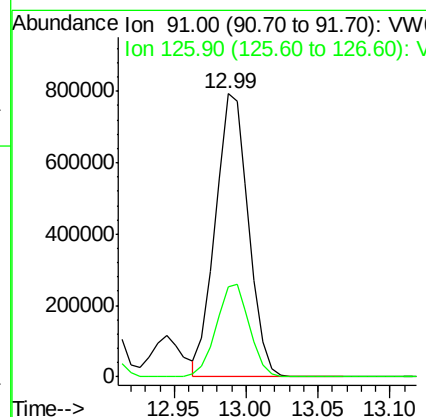
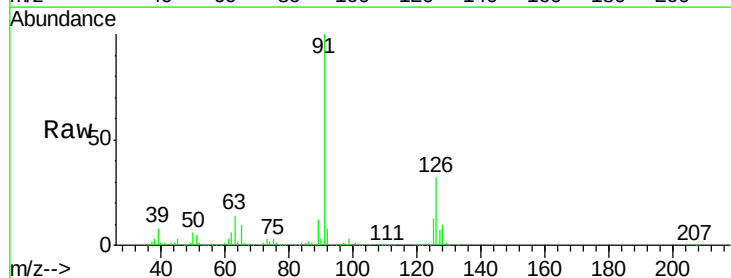
RT: 12.99 min Scan# 1818

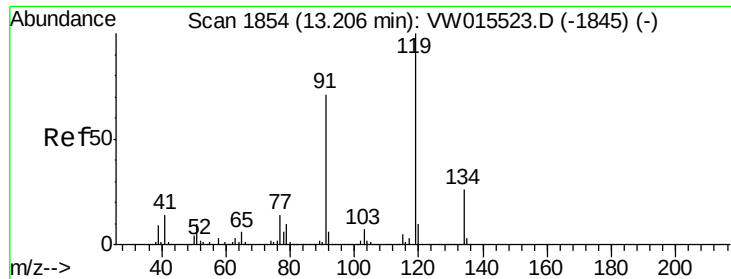
Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Tgt Ion:	91	Resp:	1267971
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.4	49.4





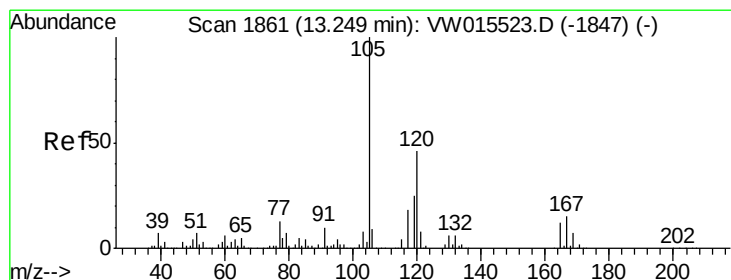
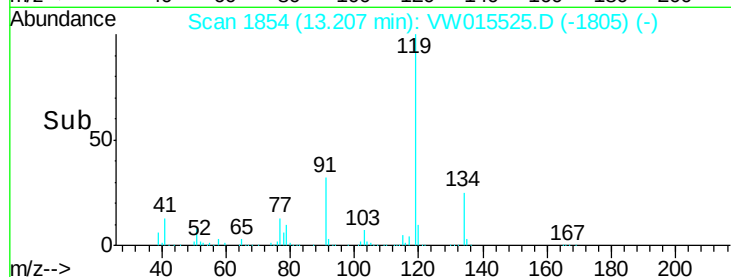
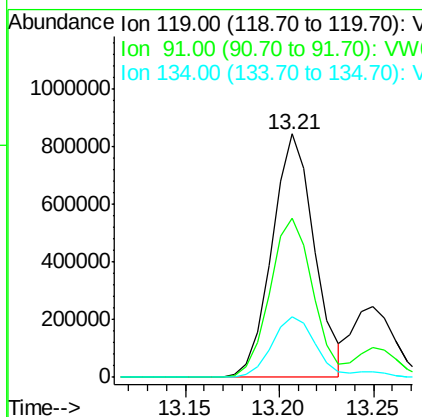
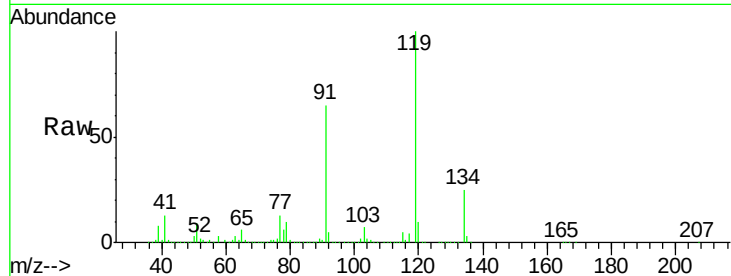
#83
 tert-Butylbenzene
 Concen: 146.009 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 1313459
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.2 102.5
 134 25.5 12.7 38.1

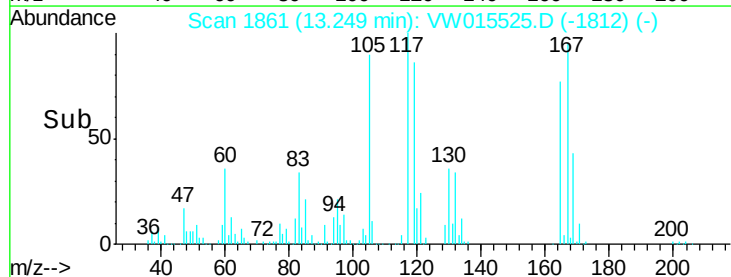
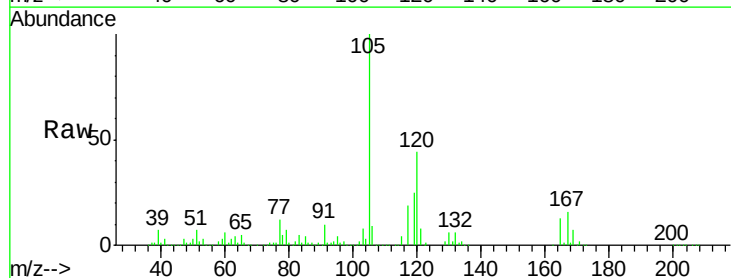
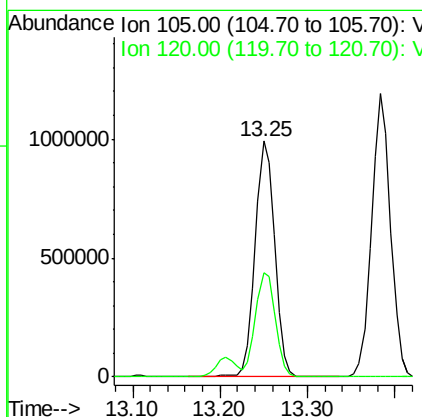
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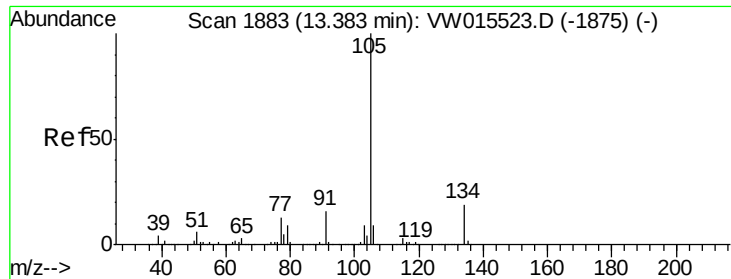
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#84
 1,2,4-Trimethylbenzene
 Concen: 145.268 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion:105 Resp: 1533162
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8





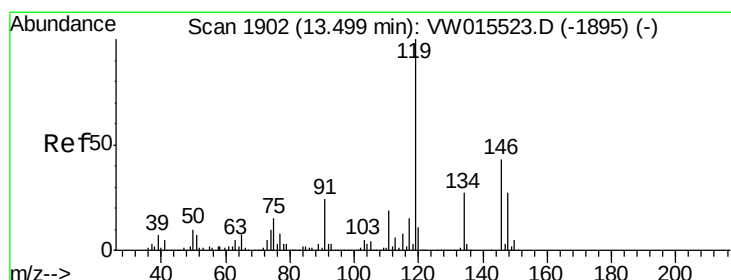
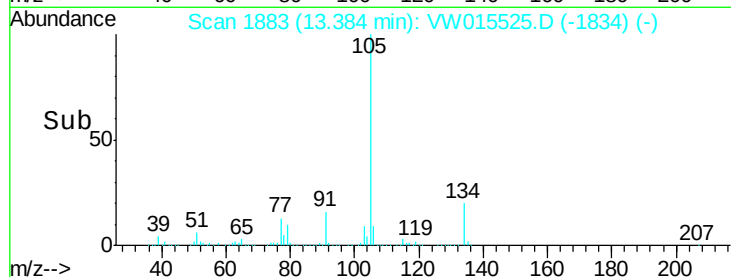
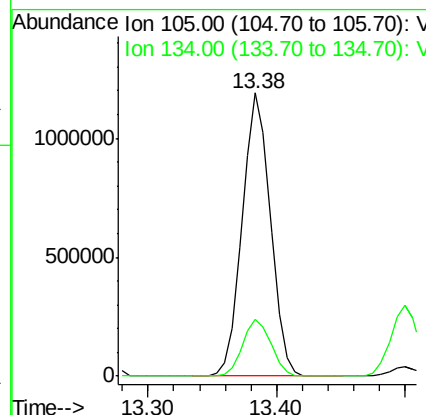
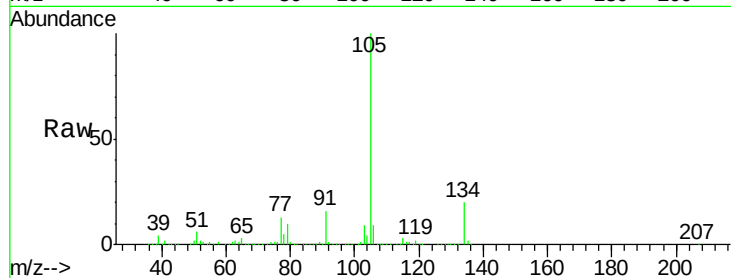
#85
 sec-Butylbenzene
 Concen: 141.786 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1797040
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0

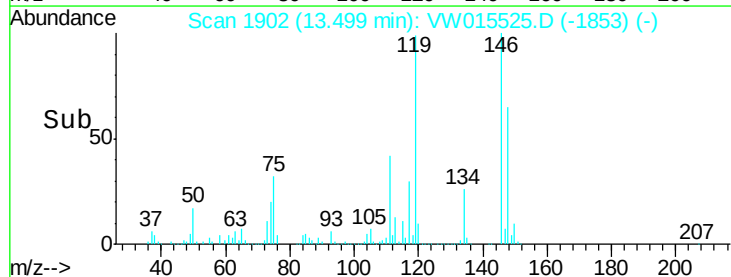
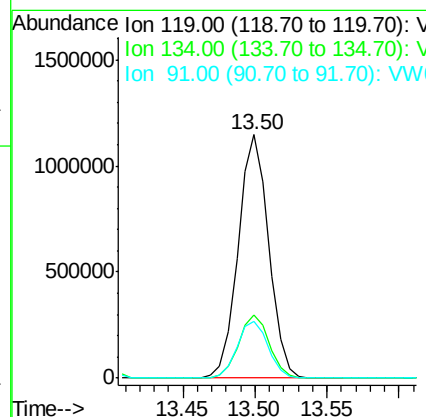
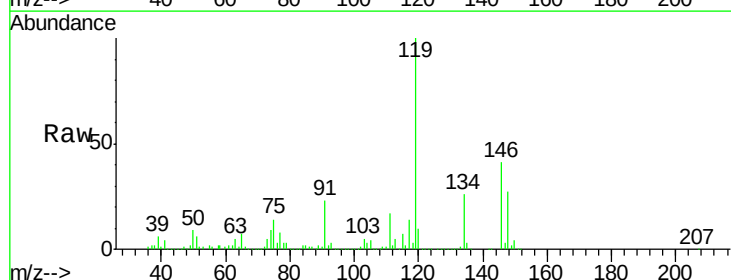
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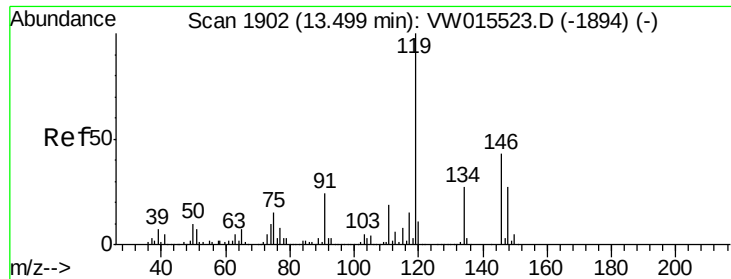
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#86
 p-Isopropyltoluene
 Concen: 145.951 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion:119 Resp: 1686996
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.5
 91 23.8 12.0 36.0





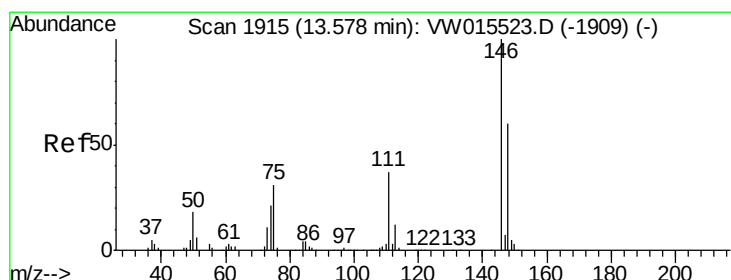
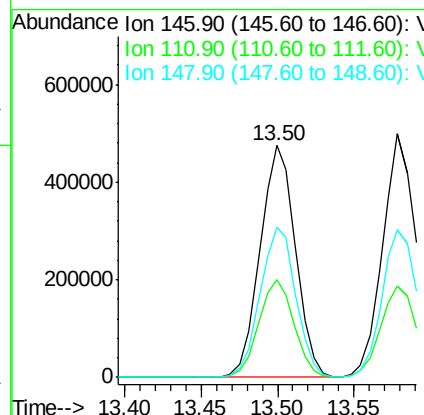
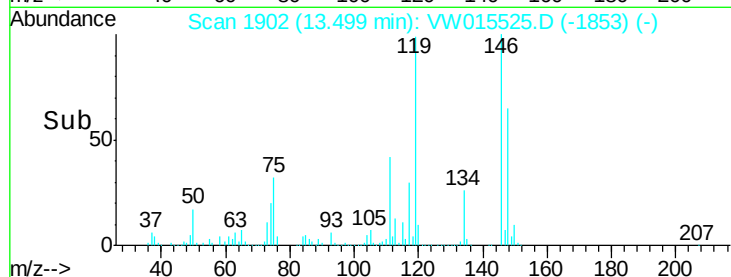
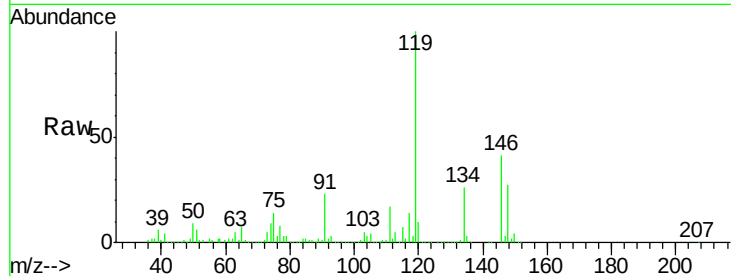
#87
 1,3-Dichlorobenzene
 Concen: 144.282 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	65.5	31.2	93.6

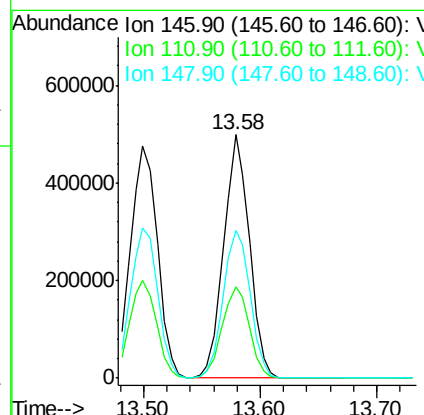
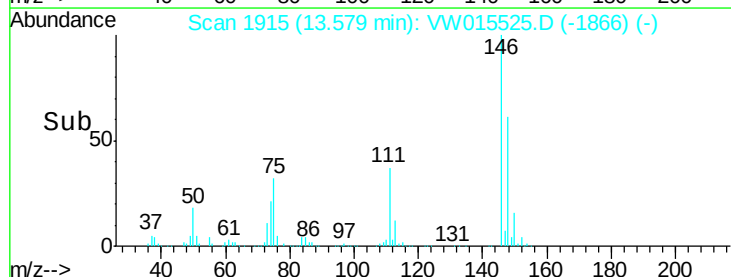
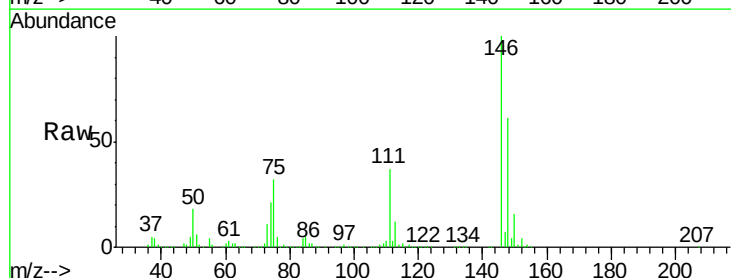
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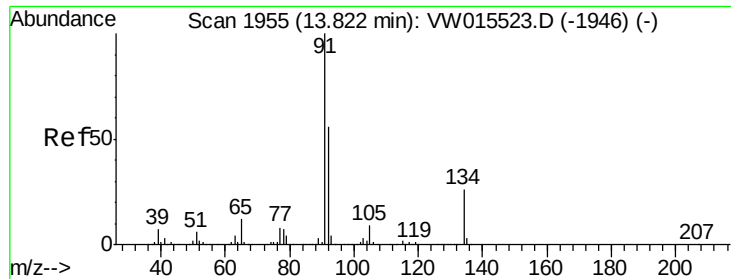
MMDadoda
 6/2/2020 4:00:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 143.922 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.8	30.9	92.7





#89

n-Butylbenzene

Concen: 142.042 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015525.D

Acq: 02 Jun 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1598887

Ion Ratio Lower Upper

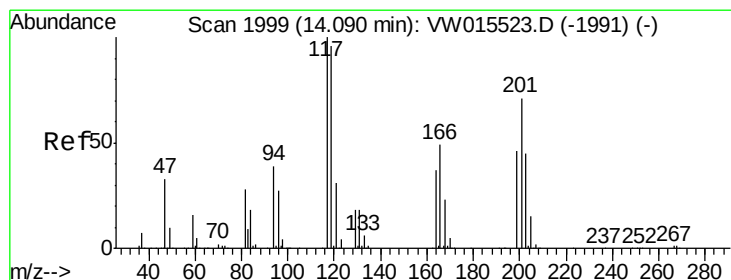
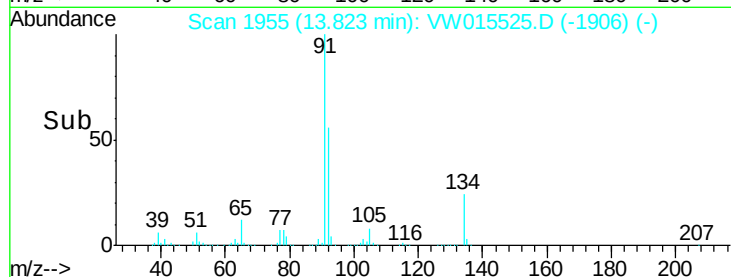
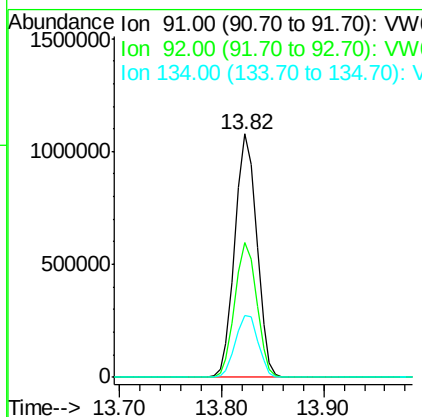
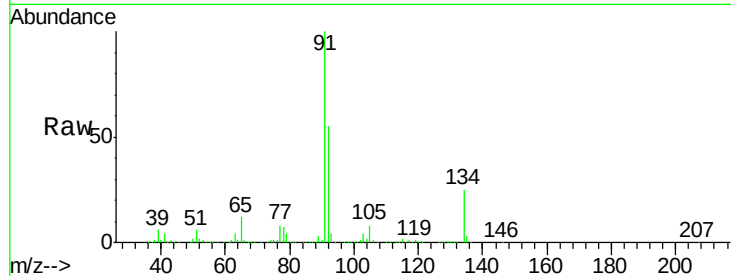
91 100

92 55.2 27.3 81.9

134 26.2 13.1 39.1

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#90

Hexachloroethane

Concen: 147.474 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015525.D

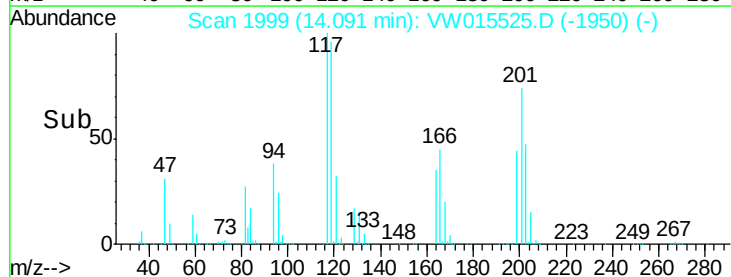
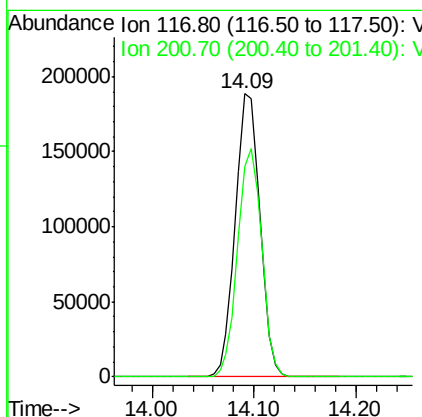
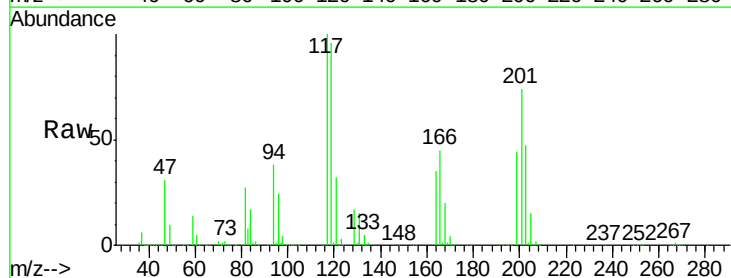
Acq: 02 Jun 2020 13:23

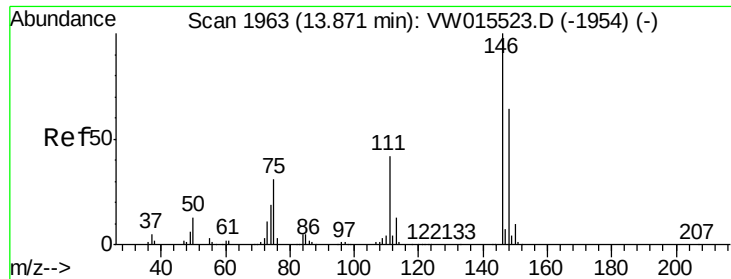
Tgt Ion: 117 Resp: 314740

Ion Ratio Lower Upper

117 100

201 79.0 38.5 115.3





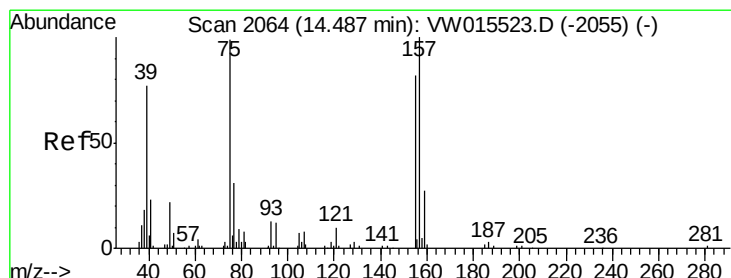
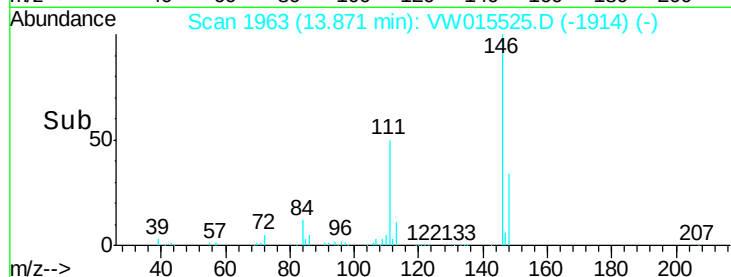
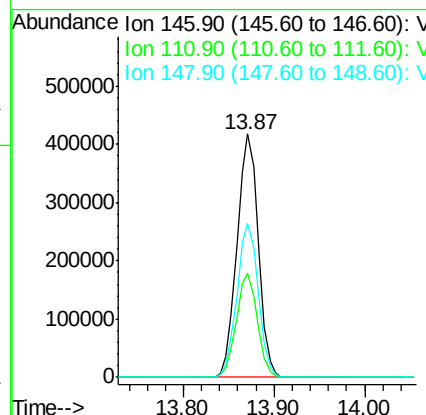
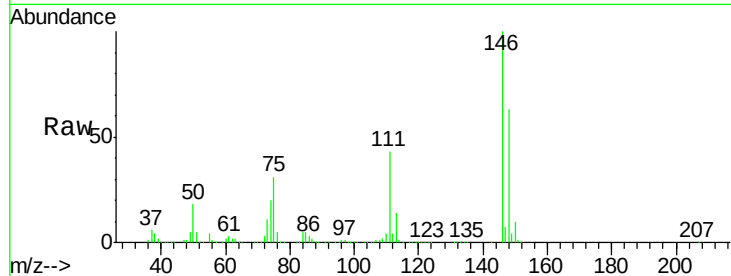
#91
 1,2-Dichlorobenzene
 Concen: 146.392 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	677598		
111	42.1	20.9	62.8	
148	63.5	32.1	96.5	

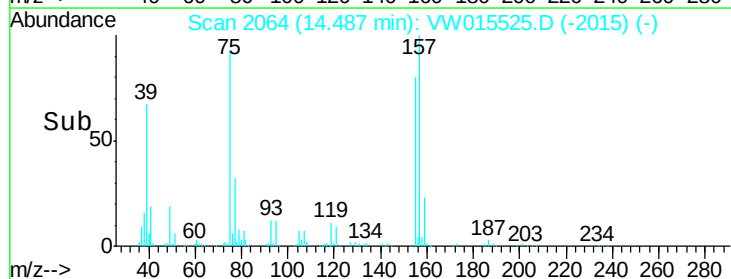
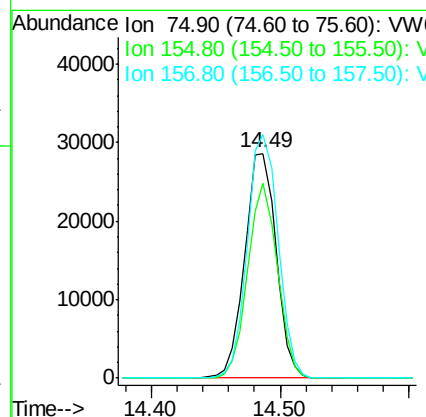
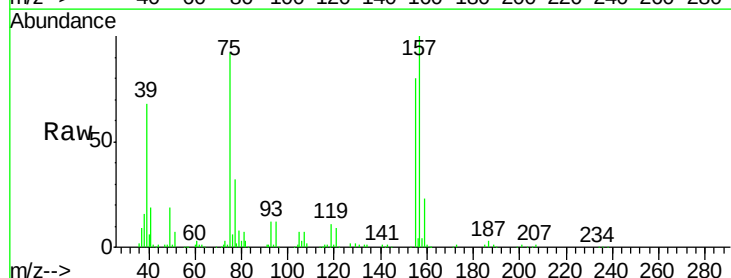
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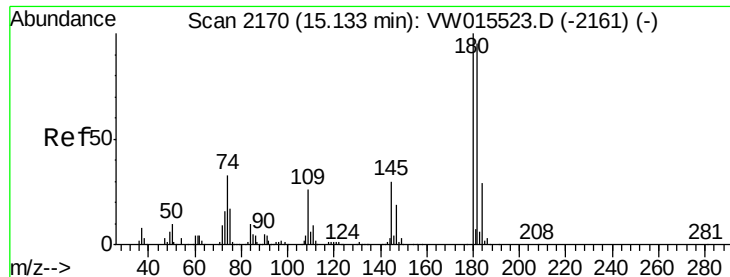
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 139.022 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48159		
155	81.8	40.4	121.1	
157	106.5	50.5	151.6	





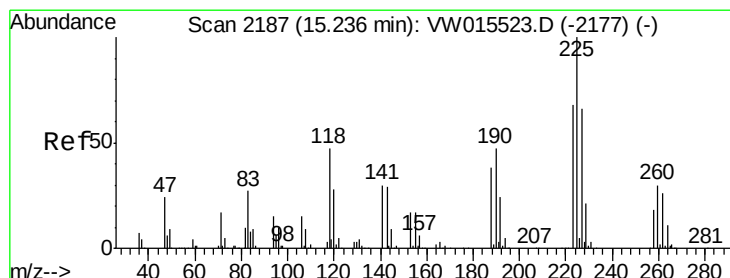
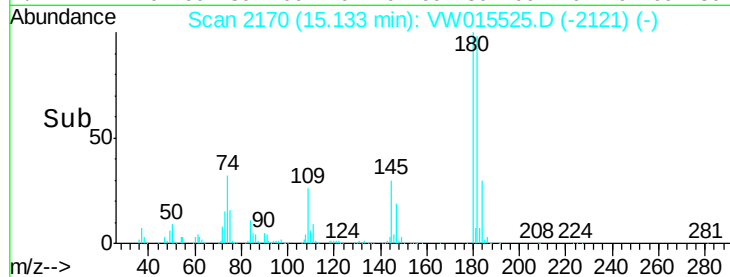
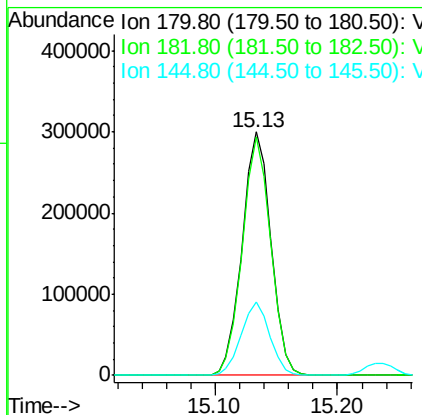
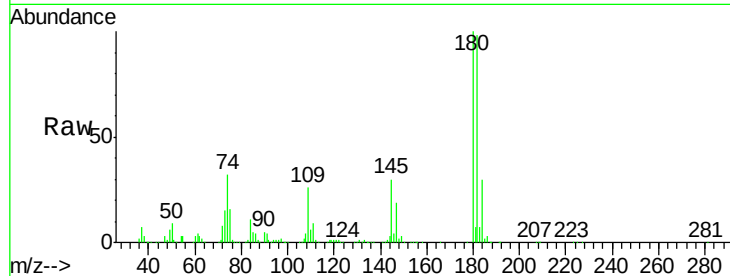
#93
 1,2,4-Trichlorobenzene
 Concen: 157.576 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	489797		
182	96.5	47.7	143.1	
145	29.9	15.4	46.2	

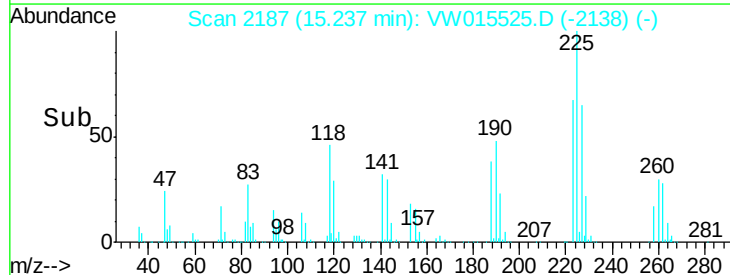
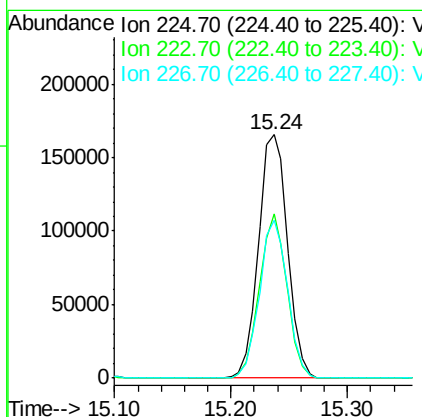
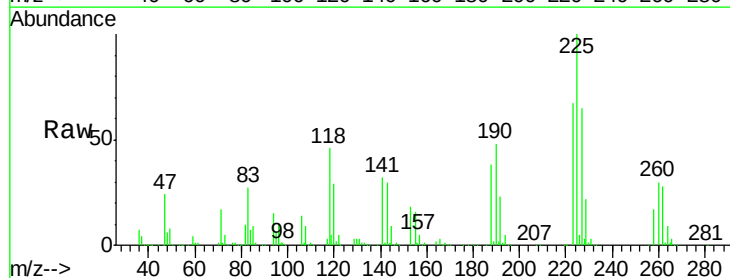
Manual Integrations
 APPROVED

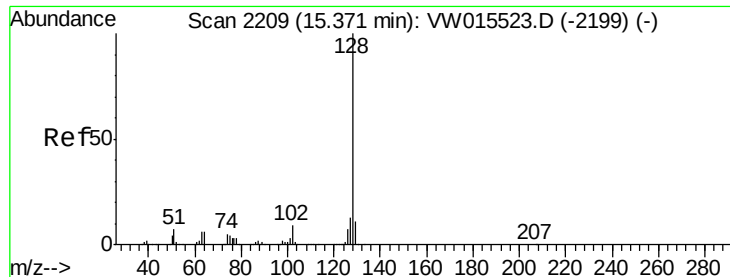
MMDadoda
 6/2/2020 4:00:21 PM



#94
 Hexachlorobutadiene
 Concen: 156.357 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015525.D
 Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	287808		
223	63.8	31.8	95.4	
227	63.1	32.6	97.8	





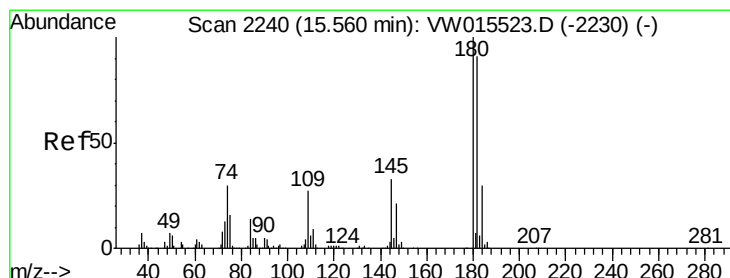
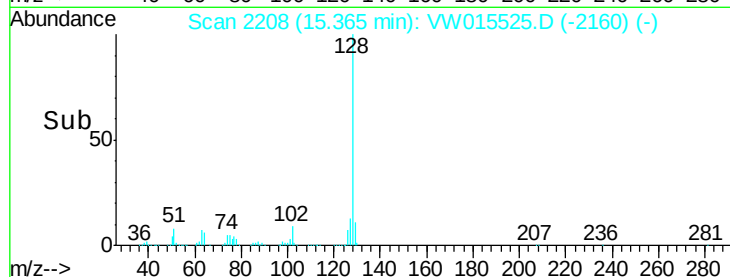
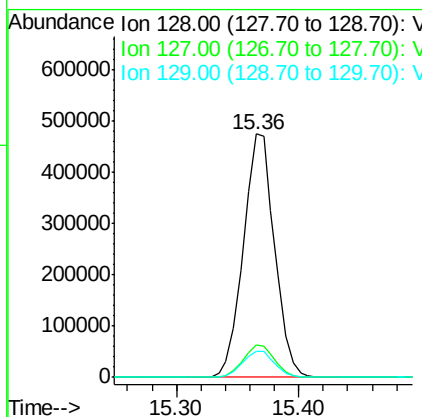
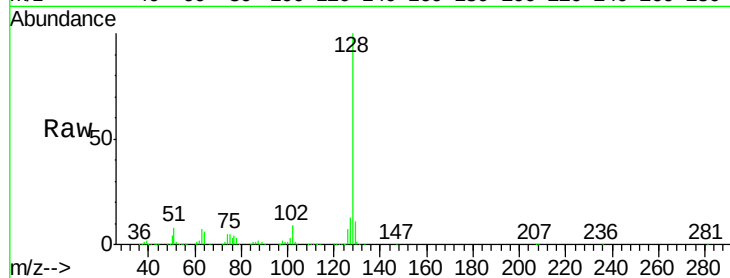
#95
Naphthalene
Concen: 150.552 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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6/2/2020 4:00:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 152.643 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015525.D
Acq: 02 Jun 2020 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.4
145	32.8	16.3	48.8

