

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015521.D
 Acq On : 02 Jun 2020 11:50
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:14 PM

Quant Time: Jun 02 13:26:04 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	234760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	24388	9.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.94%	
35) Dibromofluoromethane	7.88	113	21746	10.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.24%	
50) Toluene-d8	10.32	98	86791	9.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.66%	
62) 4-Bromofluorobenzene	12.62	95	30654	9.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12716	9.345	ug/l	97
3) Chloromethane	2.21	50	16747	9.902	ug/l	95
4) Vinyl Chloride	2.36	62	25782	10.024	ug/l	97
5) Bromomethane	2.78	94	18148	9.028	ug/l	98
6) Chloroethane	2.93	64	16503	9.318	ug/l	98
7) Trichlorofluoromethane	3.26	101	18857	9.926	ug/l	99
8) Diethyl Ether	3.68	74	11961	9.993	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23446	10.583	ug/l	99
10) Methyl Iodide	4.26	142	33874	10.112	ug/l	100
11) Tert butyl alcohol	5.18	59	9712	61.864	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	23119	10.116	ug/l	95
13) Acrolein	3.89	56	7947	43.129	ug/l	97
14) Allyl chloride	4.67	41	38954	9.738	ug/l	98
15) Acrylonitrile	5.38	53	23416	47.655	ug/l	100
16) Acetone	4.12	43	23453	52.348	ug/l	95
17) Carbon Disulfide	4.38	76	70175	10.060	ug/l	100
18) Methyl Acetate	4.68	43	11147	10.170	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	36131	9.745	ug/l	100
20) Methylene Chloride	4.92	84	27727	10.447	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	26119	10.041	ug/l	97
22) Diisopropyl ether	6.32	45	73209	9.370	ug/l	98
23) Vinyl Acetate	6.26	43	211755	44.360	ug/l	97
24) 1,1-Dichloroethane	6.22	63	46804	9.973	ug/l	97
25) 2-Butanone	7.18	43	30466	46.354	ug/l	98
26) 2,2-Dichloropropane	7.17	77	34353	11.004	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	28356	10.010	ug/l	96
28) Bromochloromethane	7.51	49	16720	8.972	ug/l	97
29) Tetrahydrofuran	7.54	42	18957	45.133	ug/l	99
30) Chloroform	7.68	83	47378	10.137	ug/l	98
31) Cyclohexane	7.96	56	48418	10.277	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	41193	10.496	ug/l	98
36) 1,1-Dichloropropene	8.09	75	39248	10.597	ug/l	99
37) Ethyl Acetate	7.26	43	14760	10.120	ug/l	99
38) Carbon Tetrachloride	8.07	117	37354	10.661	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	47937	10.221	ug/l	97
40) Benzene	8.32	78	105461	10.397	ug/l	99
41) Methacrylonitrile	7.48	41	7080	7.611	ug/l #	81
42) 1,2-Dichloroethane	8.40	62	31767	10.223	ug/l	100
43) Isopropyl Acetate	8.43	43	28738	9.362	ug/l	98
44) Trichloroethene	9.09	130	28132	10.685	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25536	10.186	ug/l	99
46) Dibromomethane	9.46	93	12711	10.070	ug/l	97
47) Bromodichloromethane	9.65	83	34455	10.104	ug/l	98
48) Methyl methacrylate	9.44	41	12624	8.943	ug/l	98
49) 1,4-Dioxane	9.45	88	2860	175.040	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	65905	45.750	ug/l	99
52) Toluene	10.39	92	66421	10.099	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	32834	9.426	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	39391	9.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	17525	9.840	ug/l	96
56) Ethyl methacrylate	10.65	69	21712	8.925	ug/l	97
57) 1,3-Dichloropropane	10.93	76	31603	9.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	53220	45.960	ug/l	98
59) 2-Hexanone	10.97	43	44485	45.135	ug/l	99
60) Dibromochloromethane	11.13	129	20912	9.743	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17042	10.095	ug/l	97
64) Tetrachloroethene	10.86	164	23886	11.525	ug/l	91
65) Chlorobenzene	11.66	112	69677	10.442	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	24611	10.381	ug/l	99
67) Ethyl Benzene	11.73	91	131758	10.338	ug/l	99
68) m/p-Xylenes	11.84	106	96842	20.410	ug/l	97
69) o-Xylene	12.17	106	44506	9.997	ug/l	99
70) Styrene	12.18	104	75626	9.867	ug/l	100
71) Bromoform	12.35	173	11204	9.650	ug/l #	99
73) Isopropylbenzene	12.46	105	126016	10.340	ug/l	100
74) N-amyl acetate	12.27	43	25610	8.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	19017	9.876	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13649m	10.292	ug/l	
77) Bromobenzene	12.75	156	27196	10.456	ug/l	99
78) n-propylbenzene	12.80	91	150461	10.304	ug/l	100
79) 2-Chlorotoluene	12.89	91	87089	10.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	106945	10.445	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5946	8.716	ug/l	96
82) 4-Chlorotoluene	12.99	91	88650	10.186	ug/l	99
83) tert-Butylbenzene	13.21	119	91623	10.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	107035	10.443	ug/l	98
85) sec-Butylbenzene	13.38	105	129642	10.532	ug/l	98
86) p-Isopropyltoluene	13.50	119	118006	10.512	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54641	10.625	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54339	10.626	ug/l	96
89) n-Butylbenzene	13.82	91	113085	10.345	ug/l	100
90) Hexachloroethane	14.10	117	21189	10.223	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	47514	10.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3312	9.845	ug/l	94

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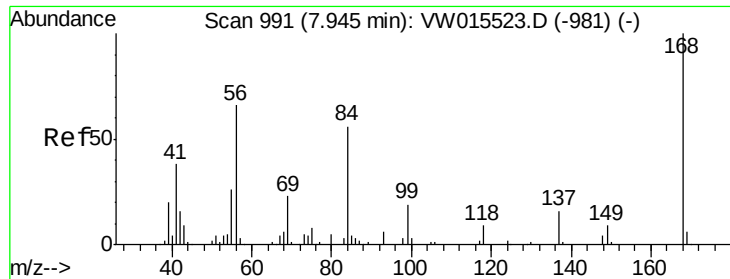
Manual Integrations
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6/2/2020 4:00:14 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	31054	10.287	ug/l	98
94) Hexachlorobutadiene	15.24	225	19493	10.904	ug/l	99
95) Naphthalene	15.36	128	50083	9.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	26286	10.112	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: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 234760

Ion Ratio Lower Upper

168 100

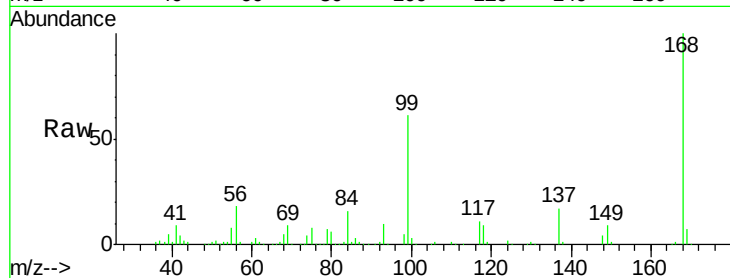
99 61.1 48.6 73.0

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

7.95

120000

100000

80000

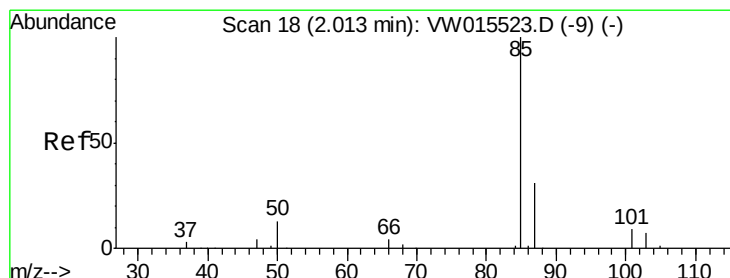
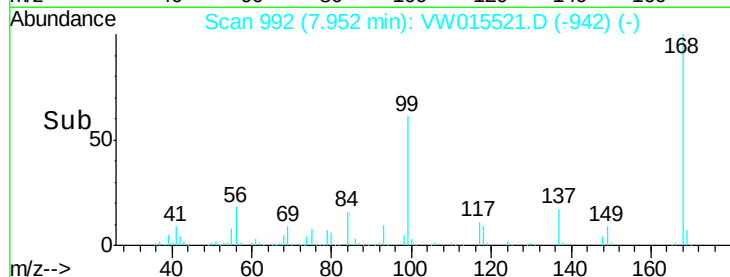
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.345 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015521.D

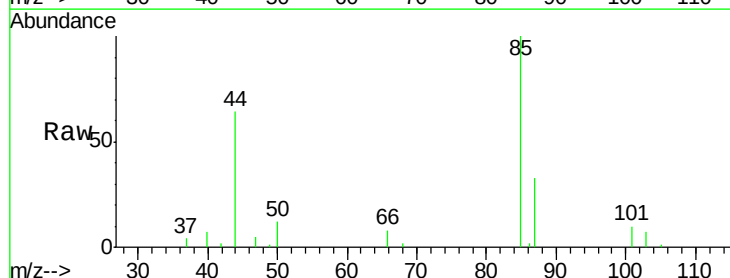
Acq: 02 Jun 2020 11:50

Tgt Ion: 85 Resp: 12716

Ion Ratio Lower Upper

85 100

87 32.7 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

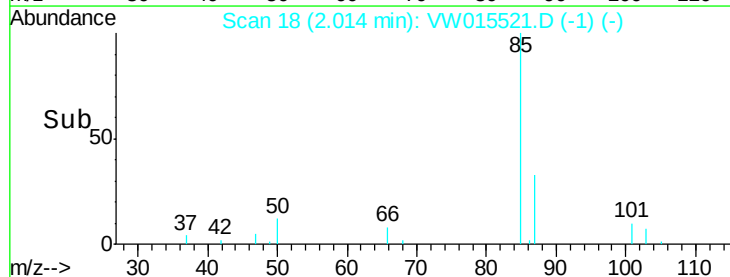
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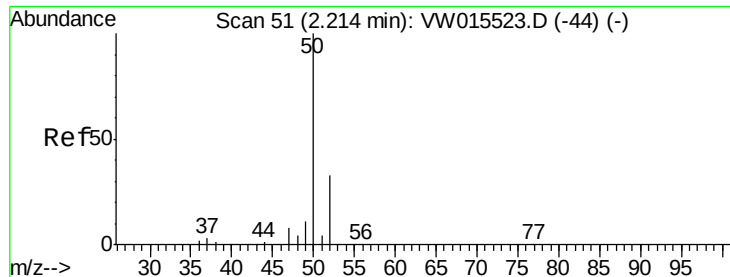
2000

1000

0

Time-->





#3

Chloromethane

Concen: 9.902 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 16747

Ion Ratio Lower Upper

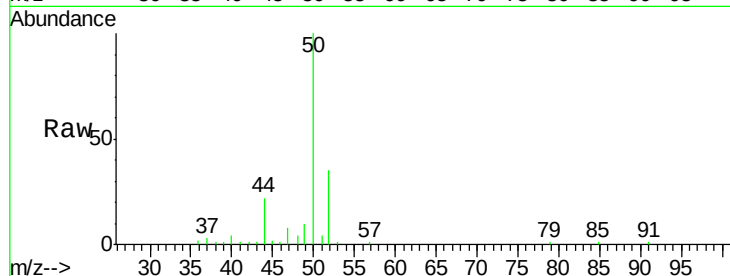
50 100

52 35.2 26.0 39.0

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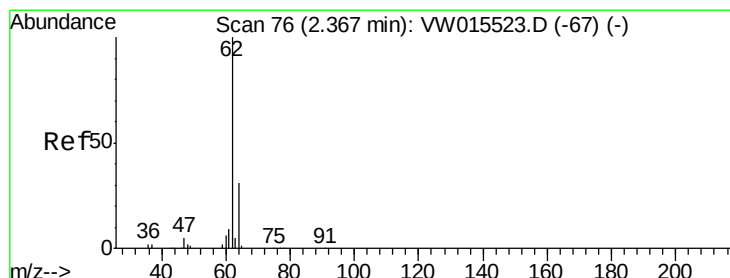
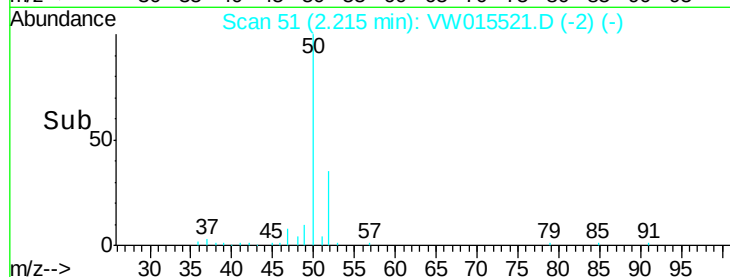
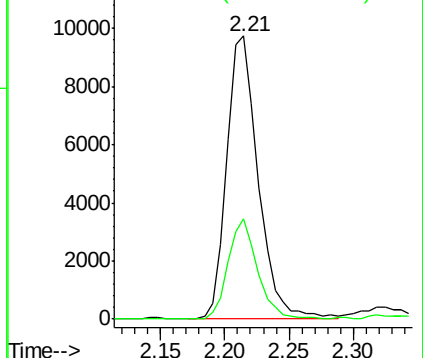
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.024 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015521.D

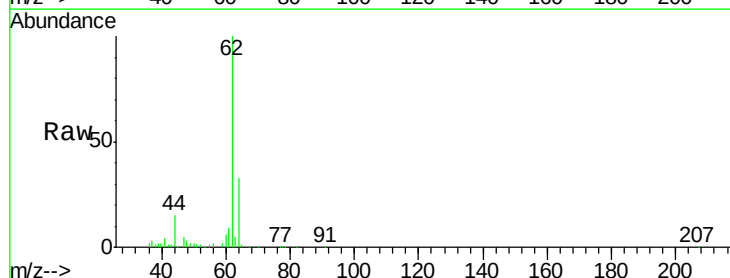
Acq: 02 Jun 2020 11:50

Tgt Ion: 62 Resp: 25782

Ion Ratio Lower Upper

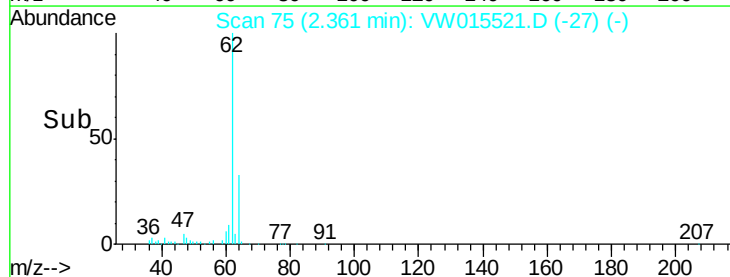
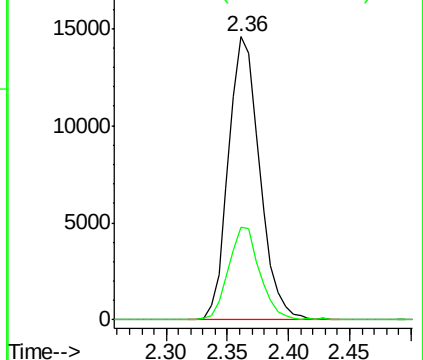
62 100

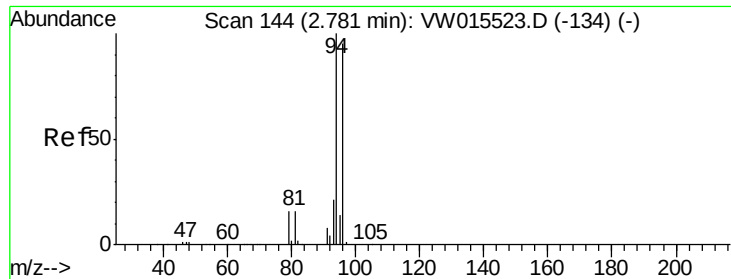
64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 9.028 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 18148

Ion Ratio Lower Upper

94 100

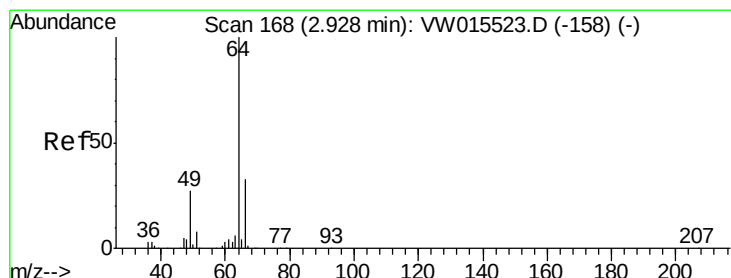
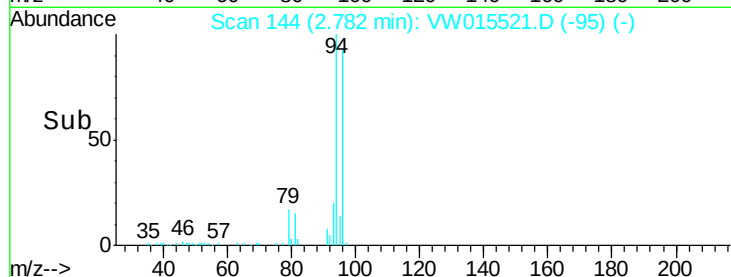
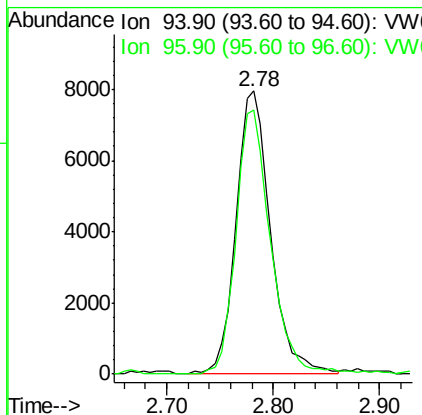
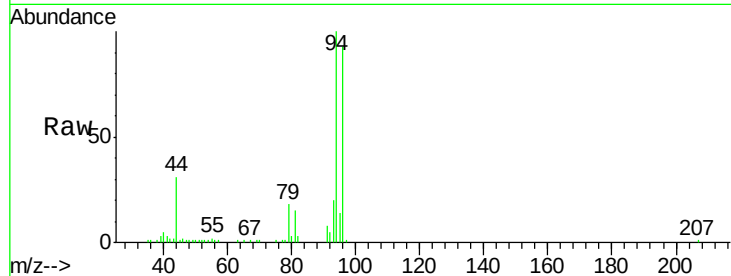
96 93.1 76.0 114.0

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#6

Chloroethane

Concen: 9.318 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015521.D

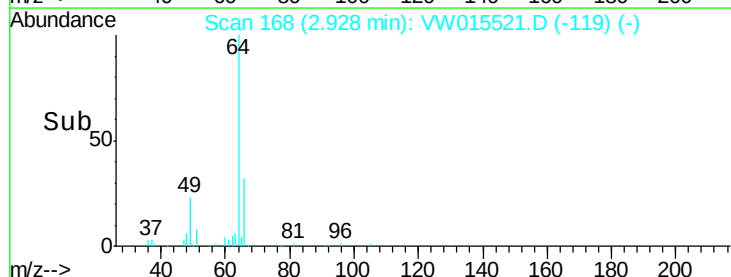
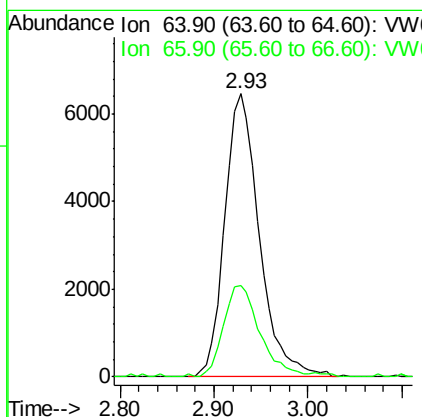
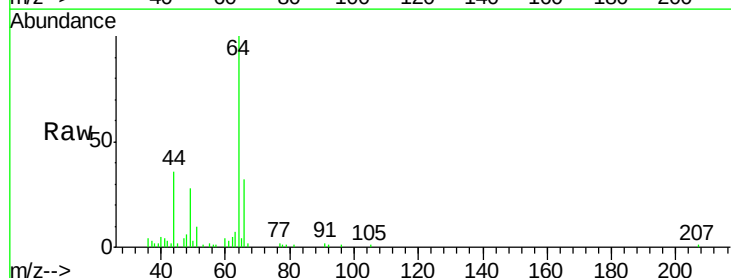
Acq: 02 Jun 2020 11:50

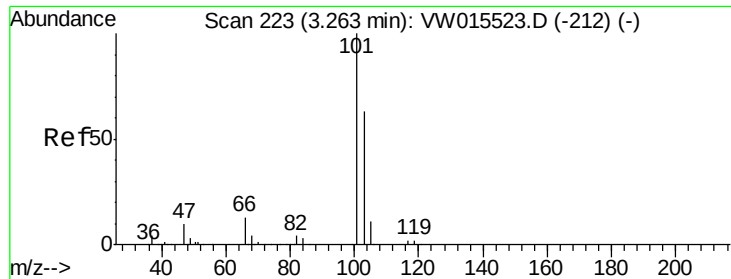
Tgt Ion: 64 Resp: 16503

Ion Ratio Lower Upper

64 100

66 32.4 26.8 40.2





#7

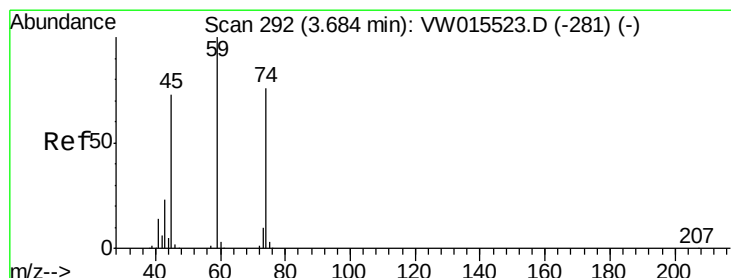
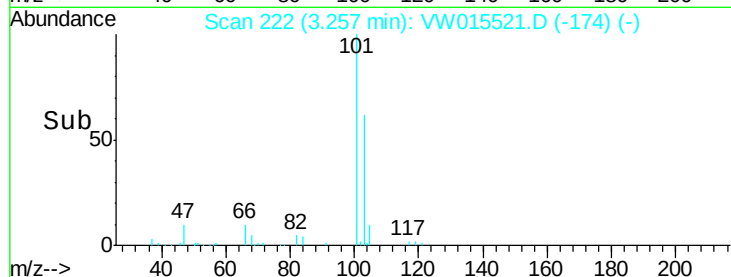
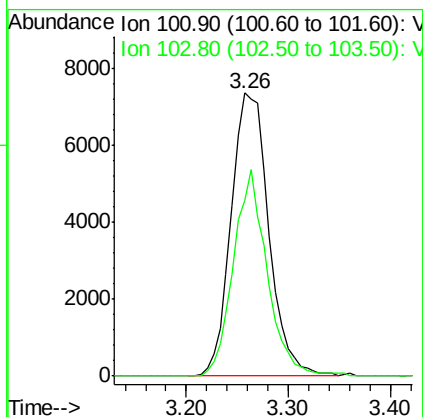
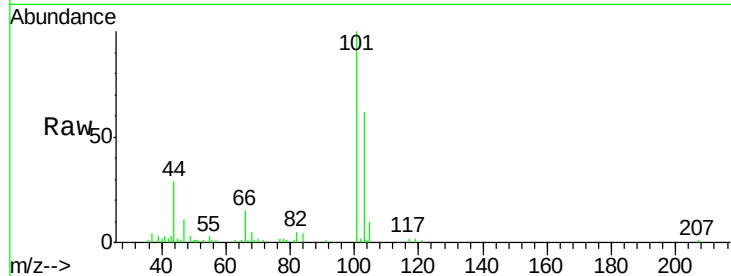
Trichlorofluoromethane
Concen: 9.926 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

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VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.2	75.2

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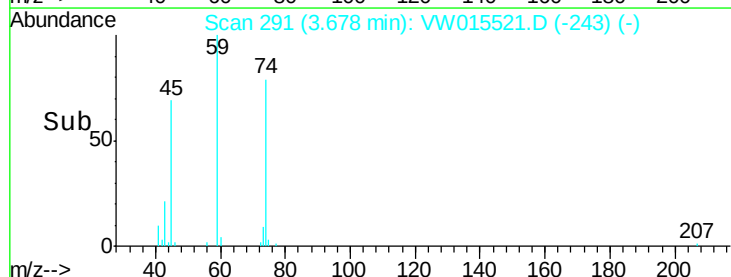
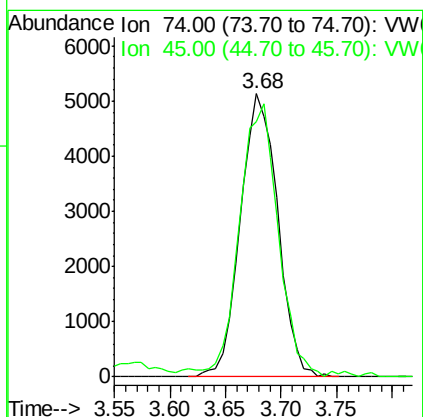
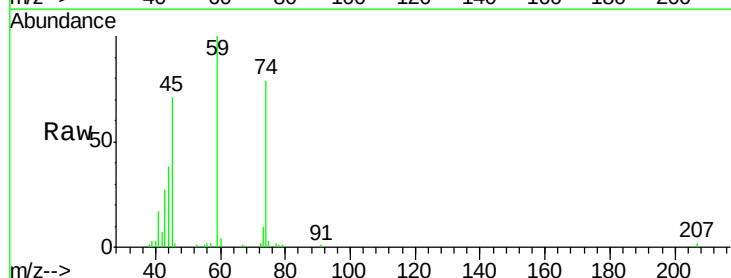
MMDadoda
6/2/2020 4:00:14 PM

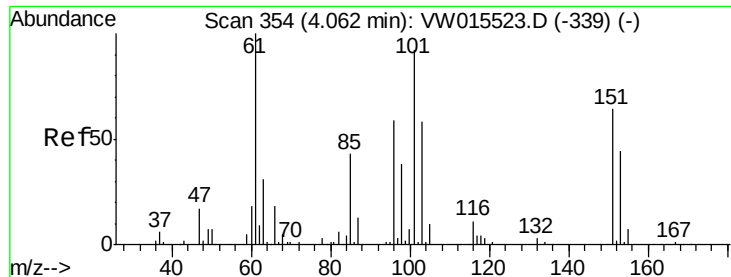


#8

Diethyl Ether
Concen: 9.993 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.583 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015521.D

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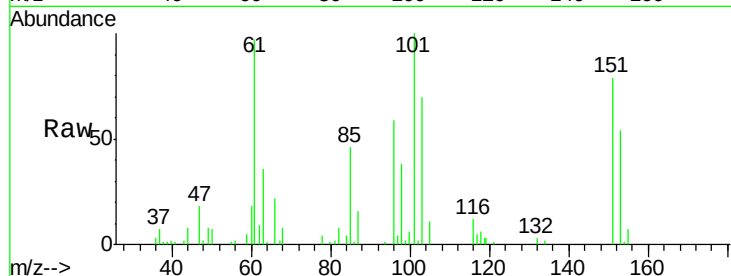
ClientSampleId :

VSTDIC010

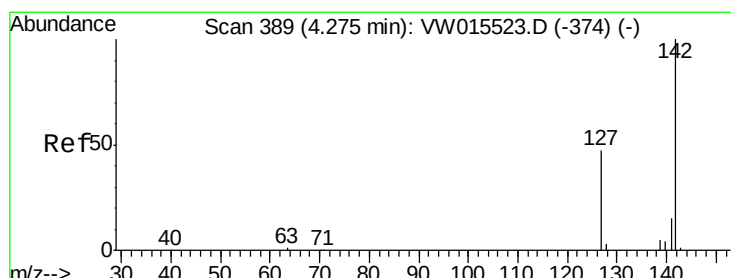
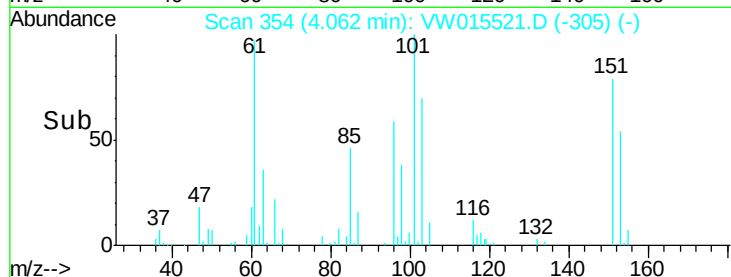
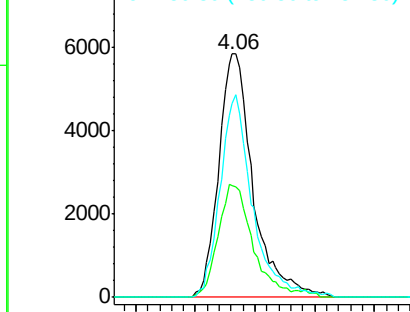
Tot Ion:	101	Resp:	23446
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.0	55.6
151	78.3	61.1	91.7

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



#10

Methyl Iodide

Concen: 10.112 ug/l

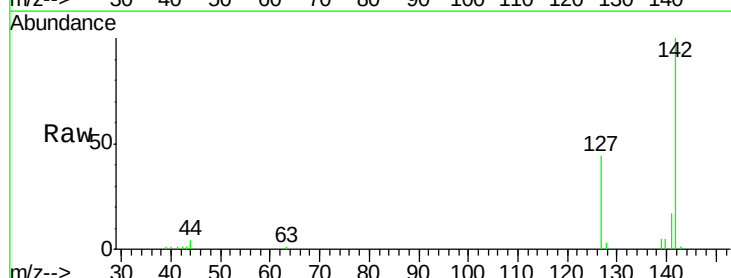
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

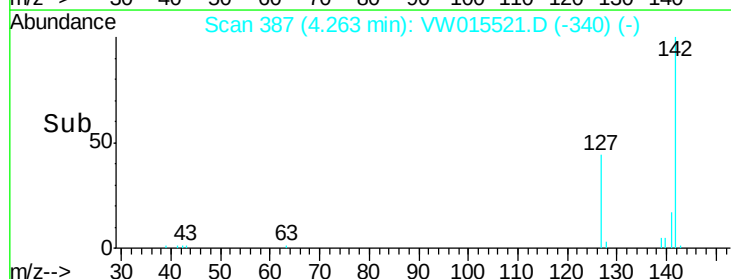
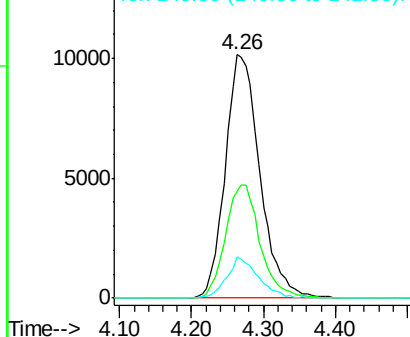
Lab File: VW015521.D

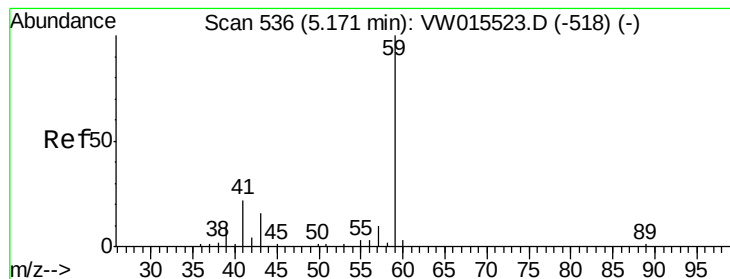
Acq: 02 Jun 2020 11:50

Tgt Ion:	142	Resp:	33874
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.9	55.3
141	15.2	11.7	17.5



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





#11

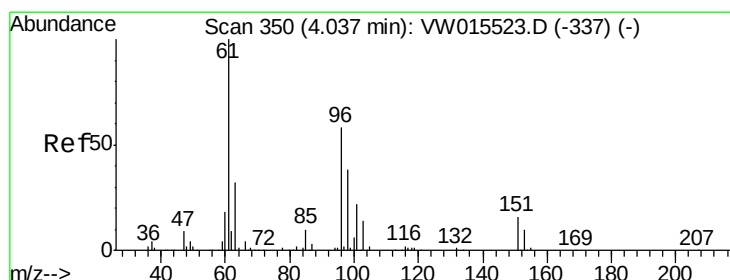
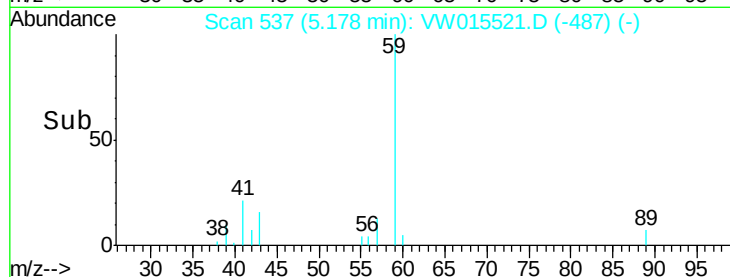
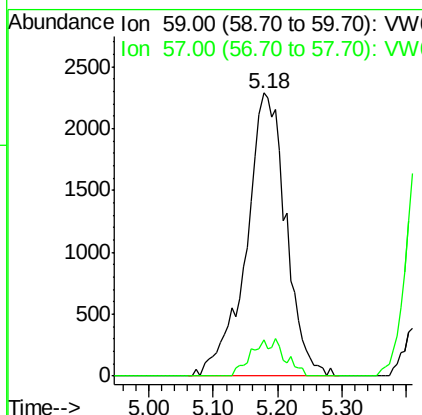
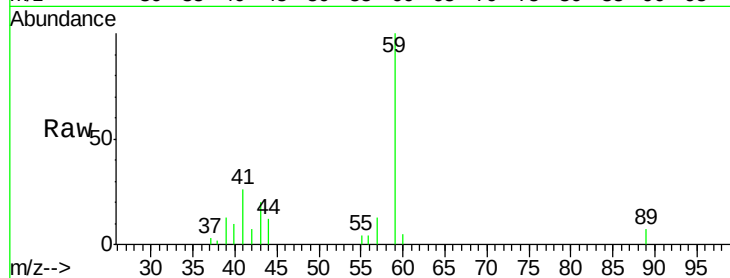
Tert butyl alcohol
 Concen: 61.864 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.3	12.5#

Manual Integrations
 APPROVED

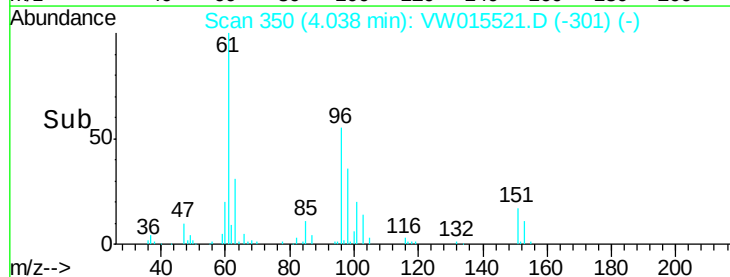
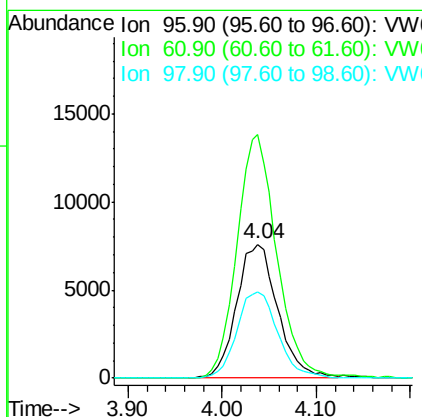
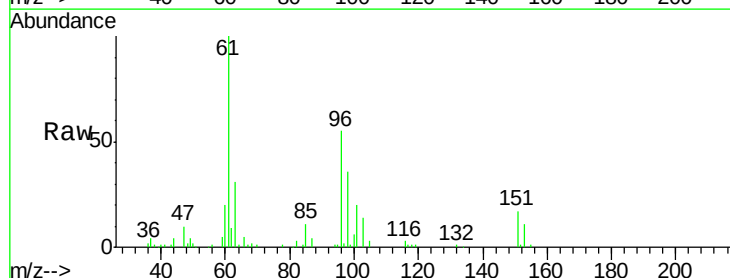
MMDadoda
 6/2/2020 4:00:14 PM

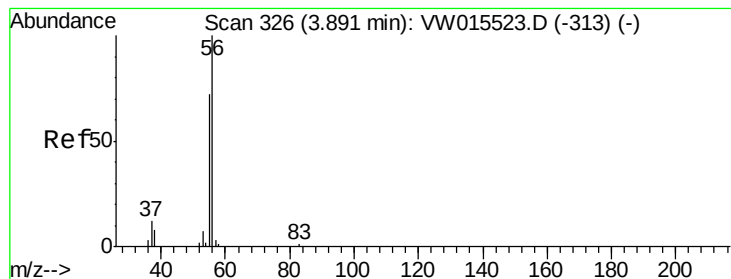


#12

1,1-Dichloroethene
 Concen: 10.116 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.5	138.3	207.5
98	64.5	52.2	78.4





#13

Acrolein

Concen: 43.129 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 7947

Ion Ratio Lower Upper

56 100

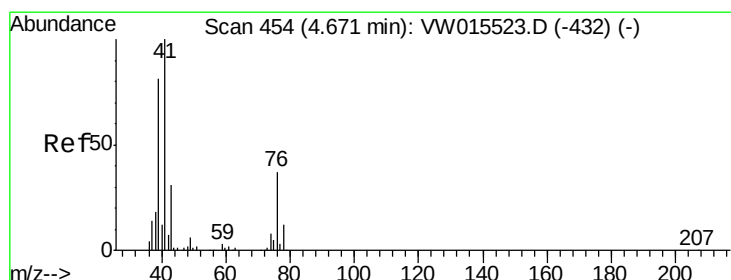
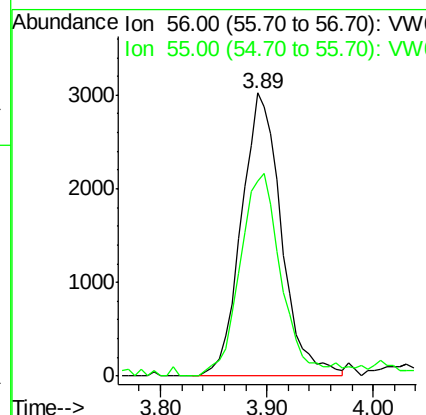
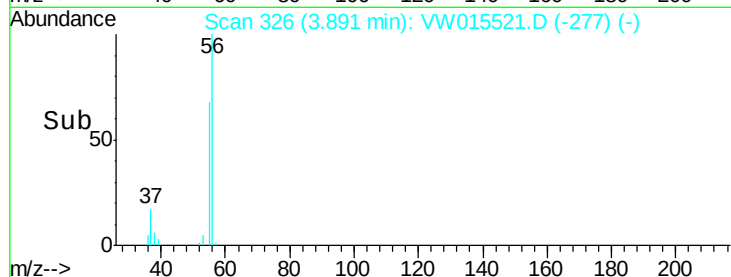
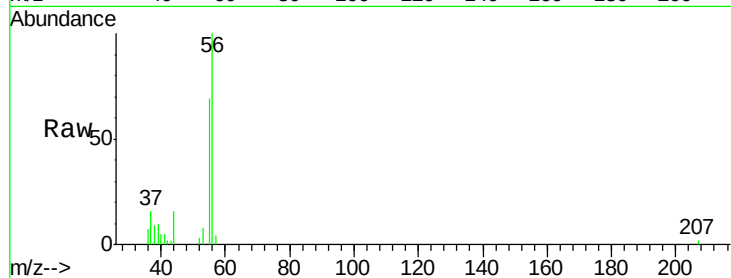
55 73.0 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 9.738 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

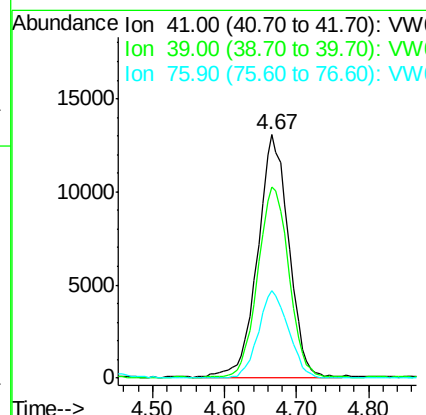
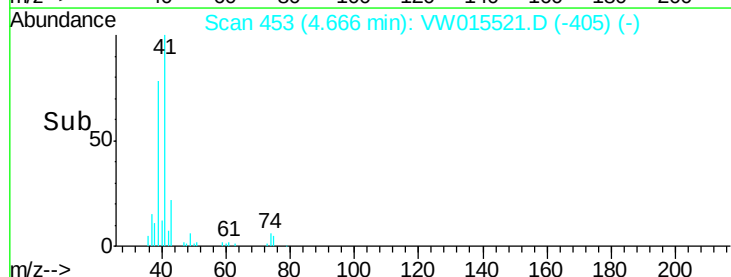
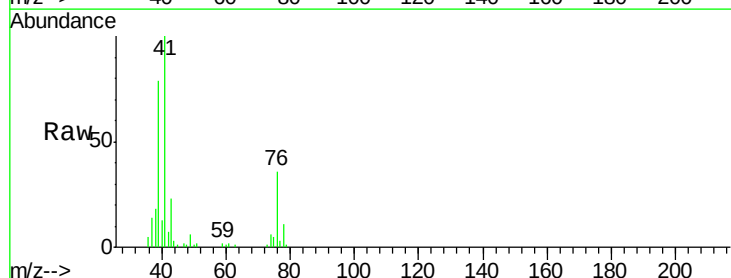
Tgt Ion: 41 Resp: 38954

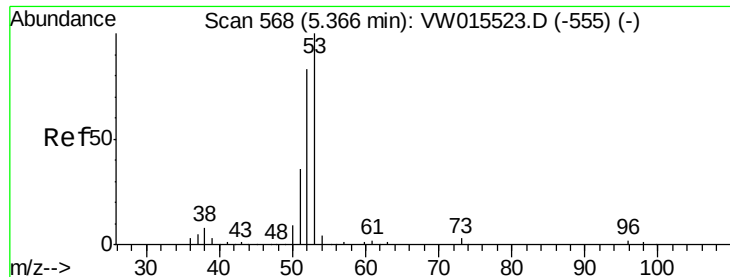
Ion Ratio Lower Upper

41 100

39 80.4 63.1 94.7

76 34.9 28.6 43.0





#15

Acrylonitrile

Concen: 47.655 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

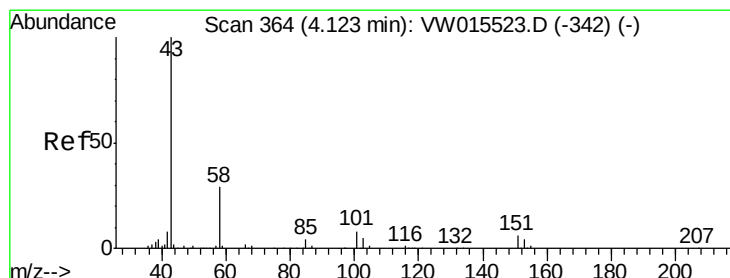
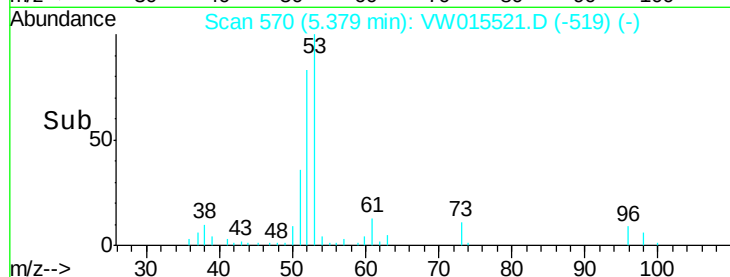
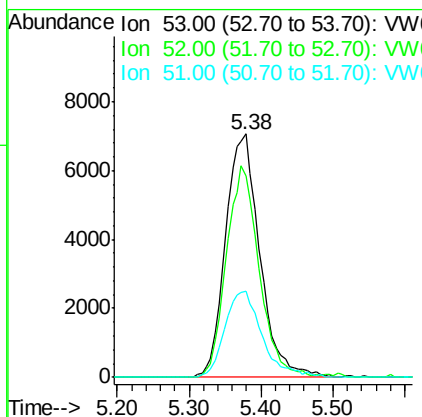
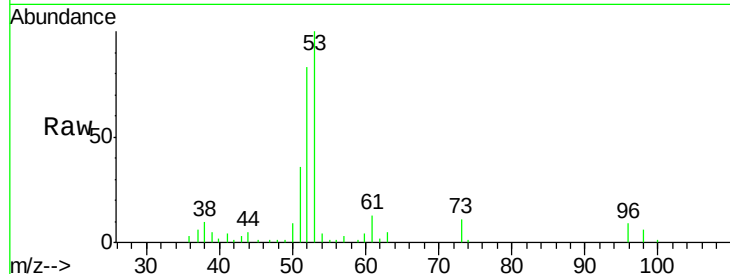
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	23416
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.4	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 52.348 ug/l

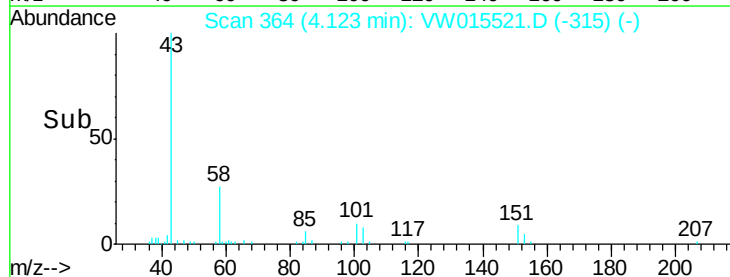
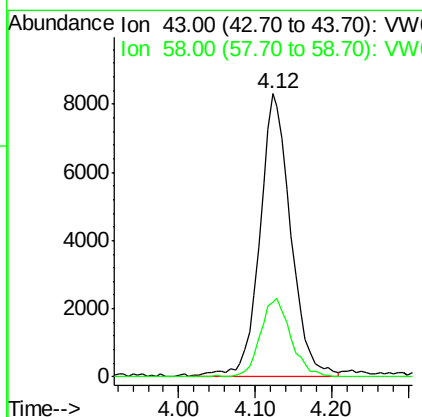
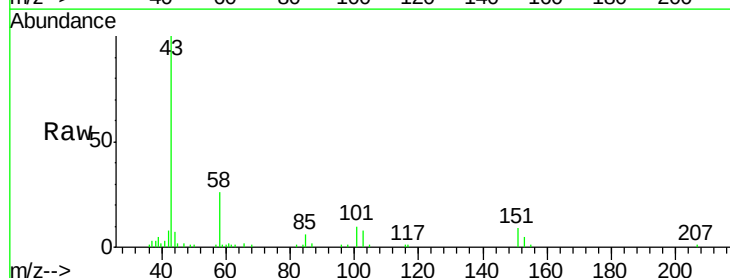
RT: 4.12 min Scan# 364

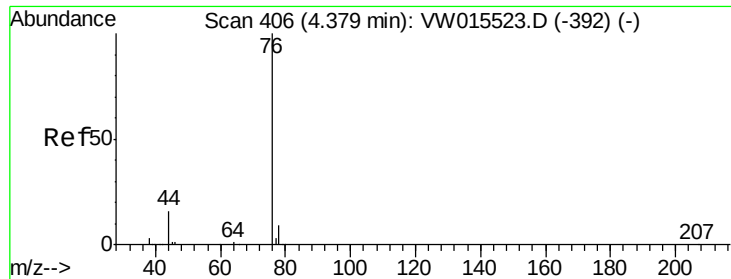
Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	43	Resp:	23453
Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.1	34.7





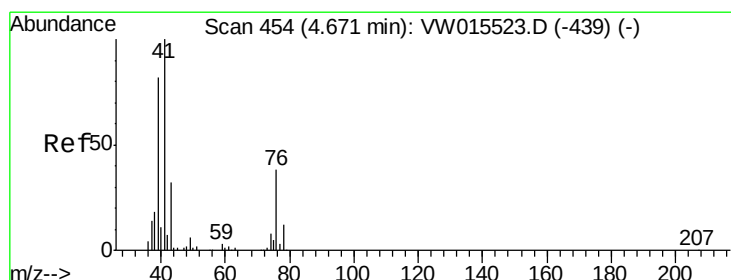
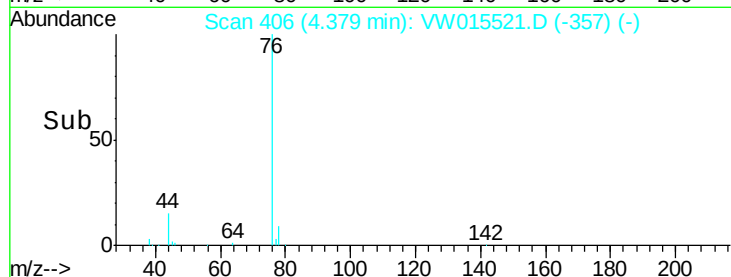
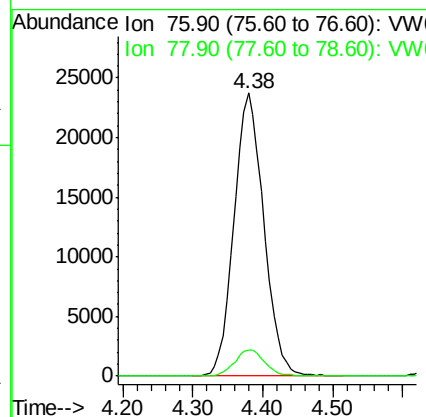
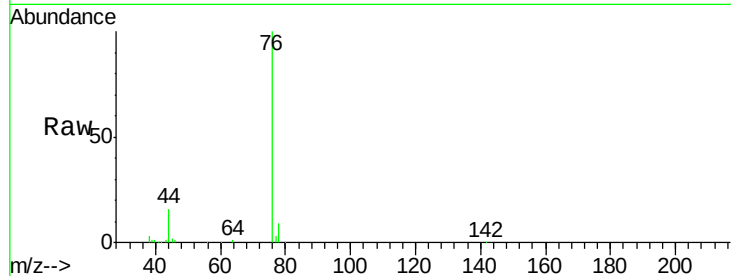
#17
Carbon Disulfide
Concen: 10.060 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

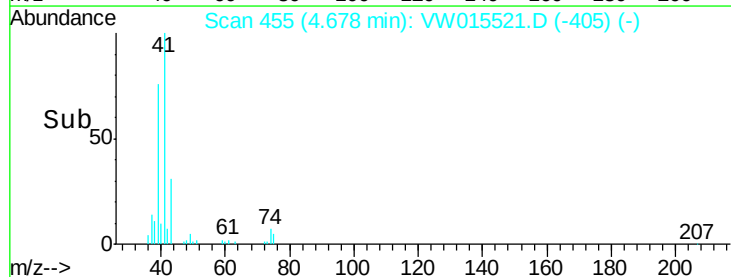
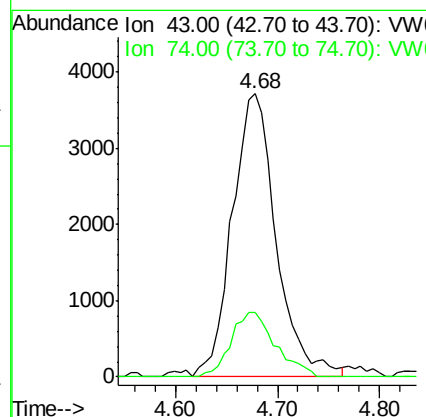
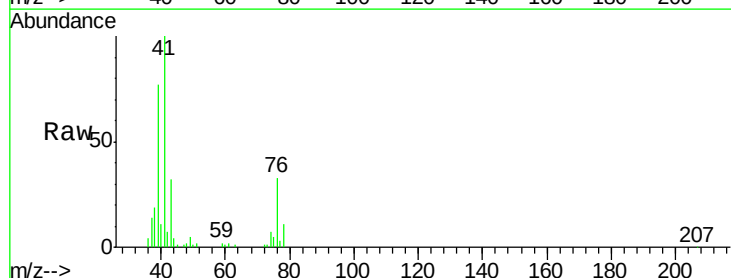
Manual Integrations
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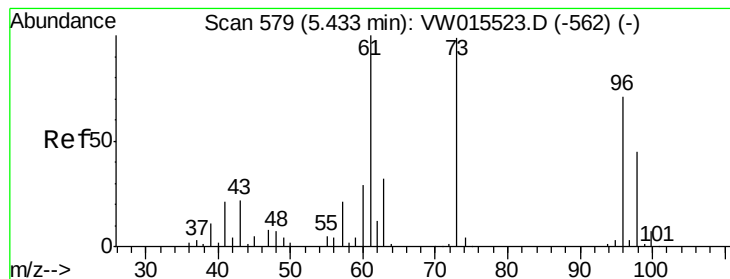
MMDadoda
6/2/2020 4:00:14 PM



#18
Methyl Acetate
Concen: 10.170 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





#19

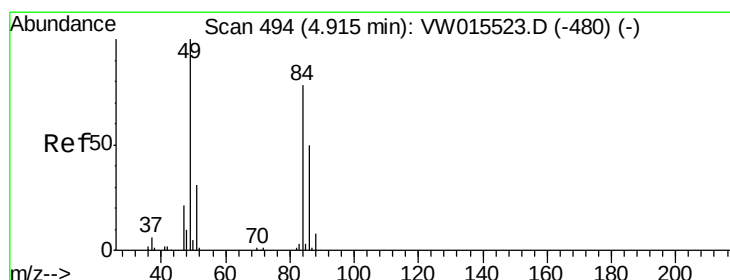
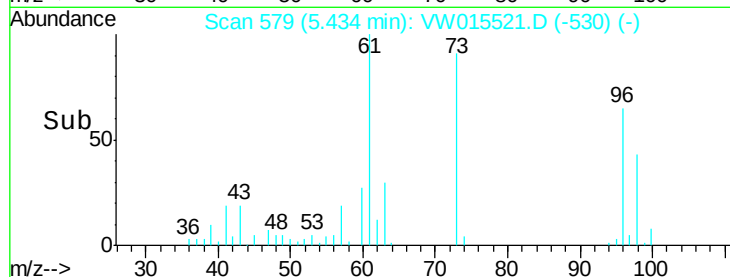
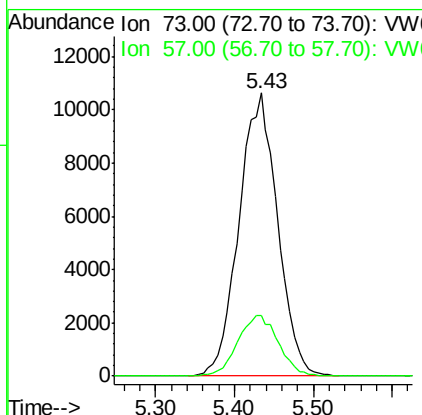
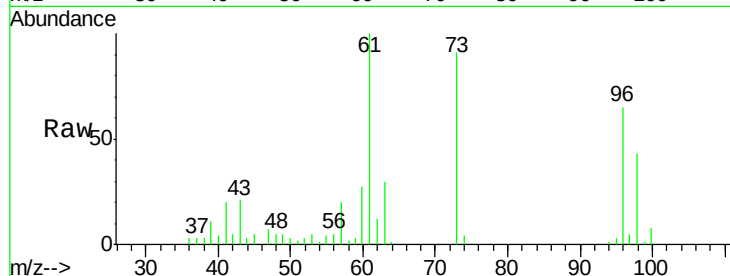
Methyl tert-butyl Ether
 Concen: 9.745 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7

Manual Integrations
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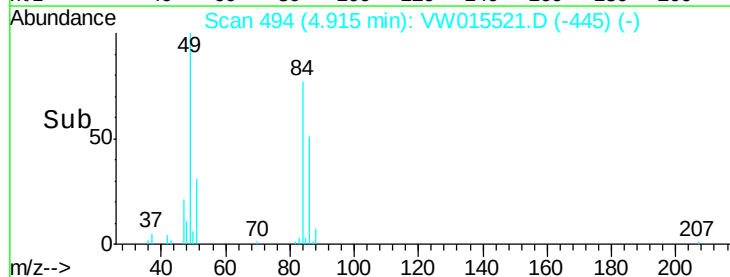
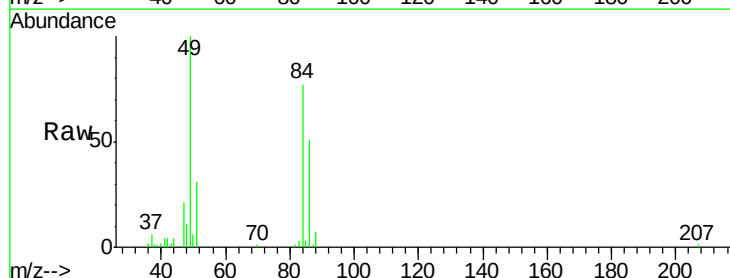
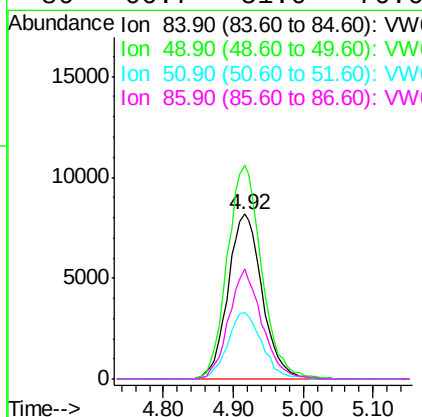
MMDadoda
 6/2/2020 4:00:14 PM

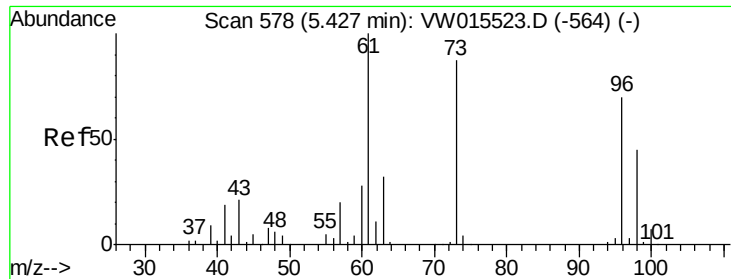


#20

Methylene Chloride
 Concen: 10.447 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	102.8	154.2
51	40.1	31.4	47.2
86	66.7	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 10.041 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 26119

Ion Ratio Lower Upper

96 100

61 140.3 114.3 171.5

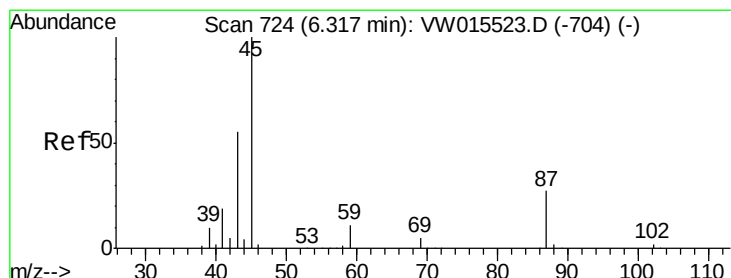
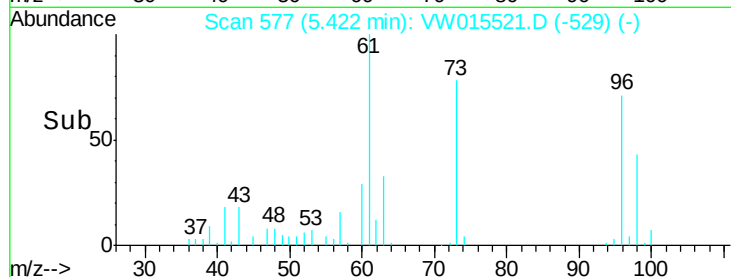
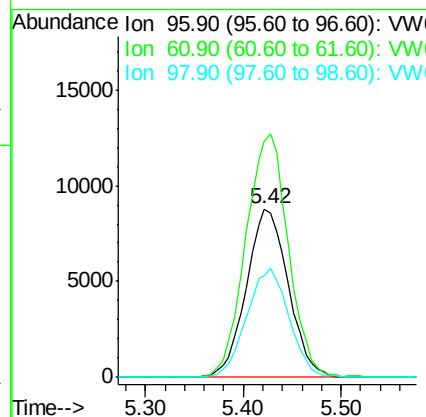
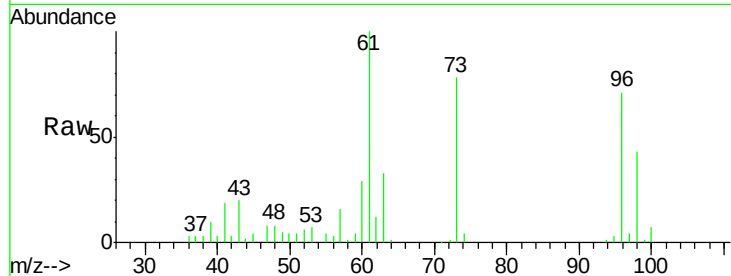
98 60.6 51.0 76.4

Manual Integrations

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6/2/2020 4:00:14 PM



#22

Diisopropyl ether

Concen: 9.370 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion: 45 Resp: 73209

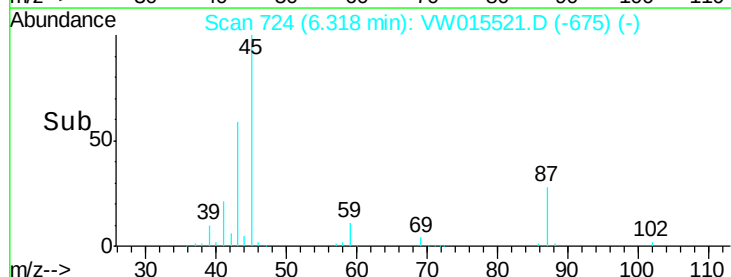
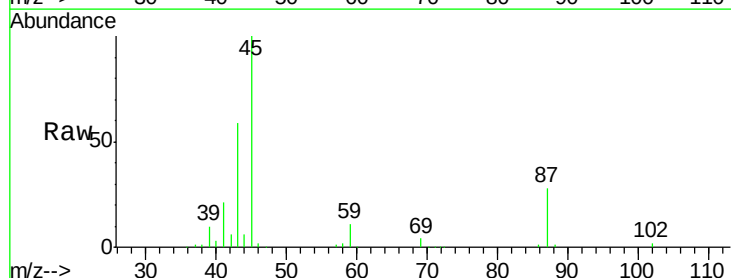
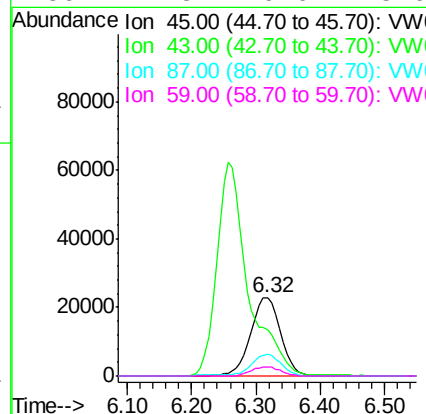
Ion Ratio Lower Upper

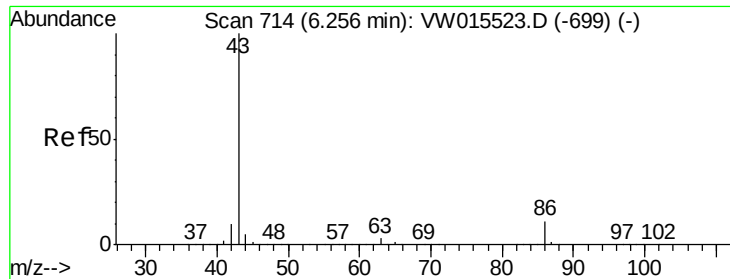
45 100

43 57.6 44.1 66.1

87 27.6 21.8 32.8

59 11.3 9.0 13.6





#23

Vinyl Acetate

Concen: 44.360 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 211755

Ion Ratio Lower Upper

43 100

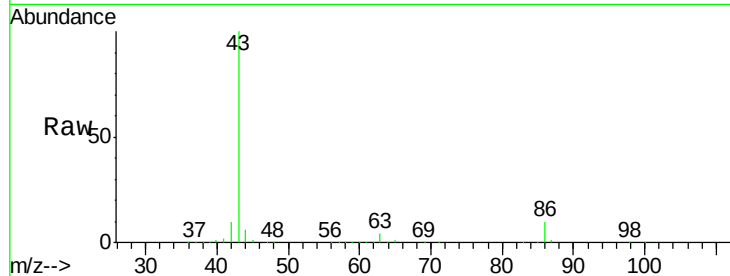
86 9.7 8.6 12.8

Manual Integrations

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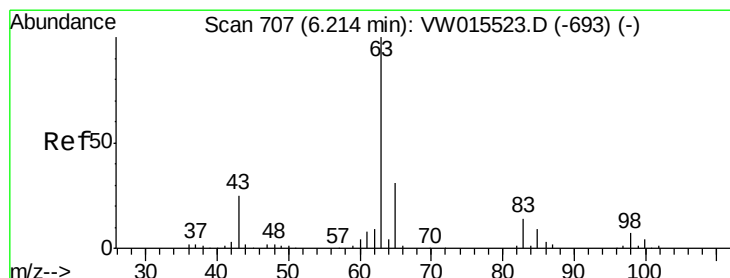
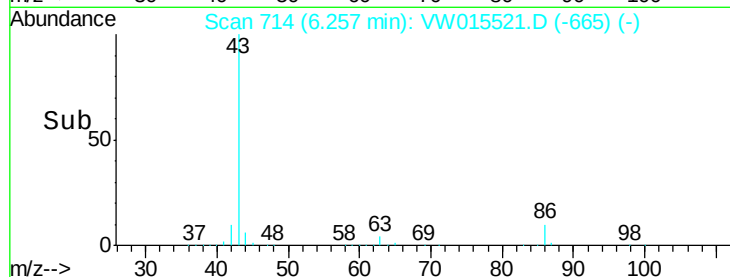
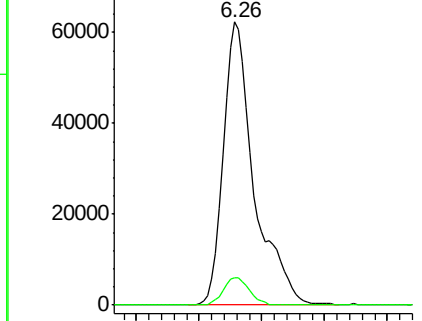
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 9.973 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

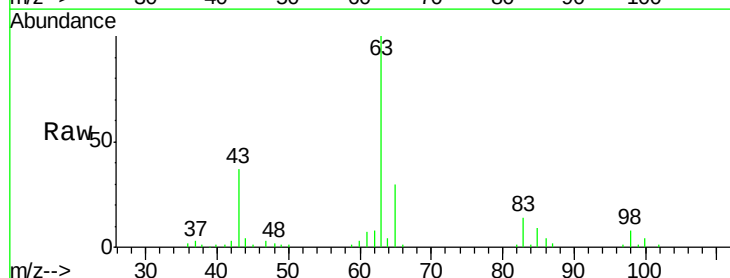
Tgt Ion: 63 Resp: 46804

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.1

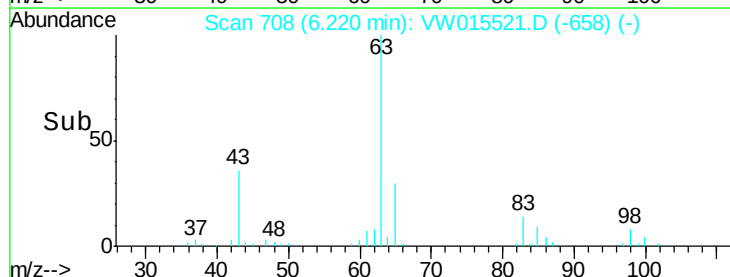
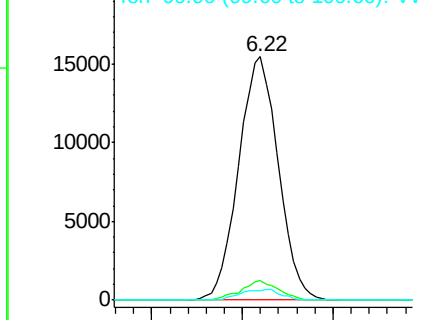
100 4.0 2.2 6.6

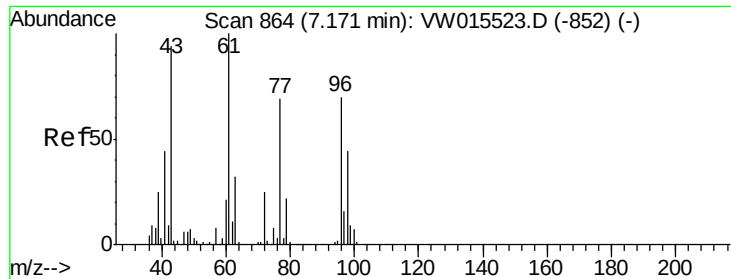


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 46.354 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 30466

Ion Ratio Lower Upper

43 100

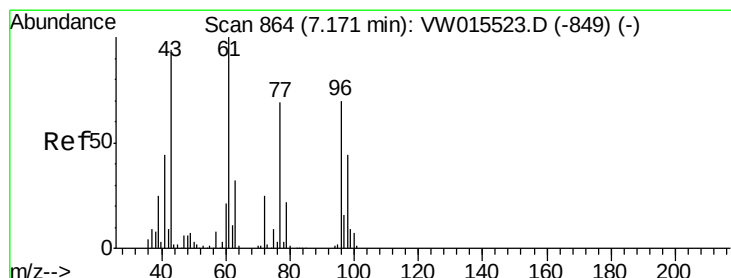
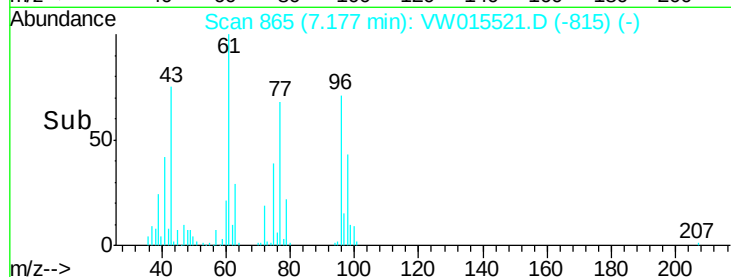
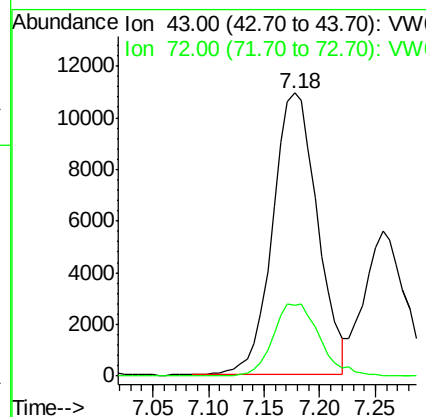
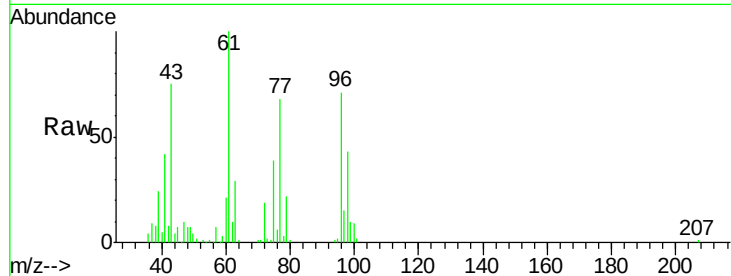
72 25.3 21.0 31.4

Manual Integrations

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6/2/2020 4:00:14 PM



#26

2,2-Dichloropropane

Concen: 11.004 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015521.D

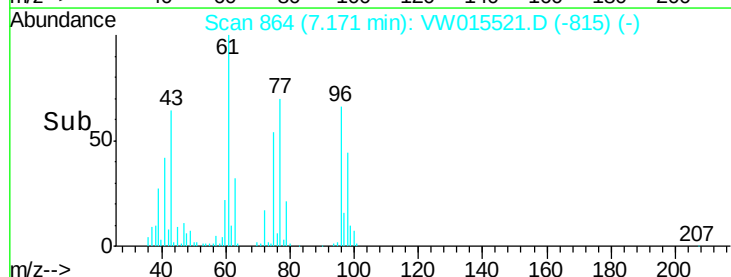
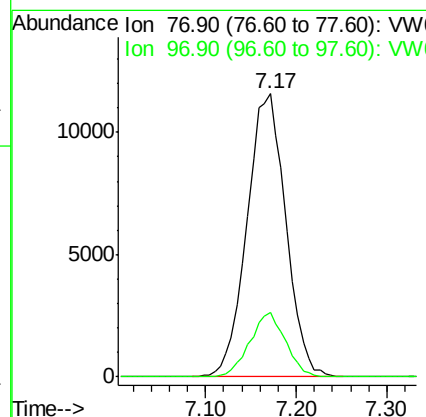
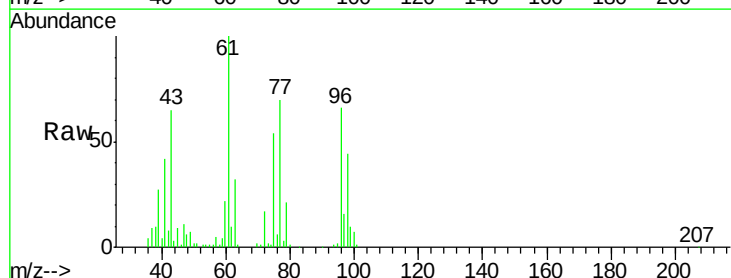
Acq: 02 Jun 2020 11:50

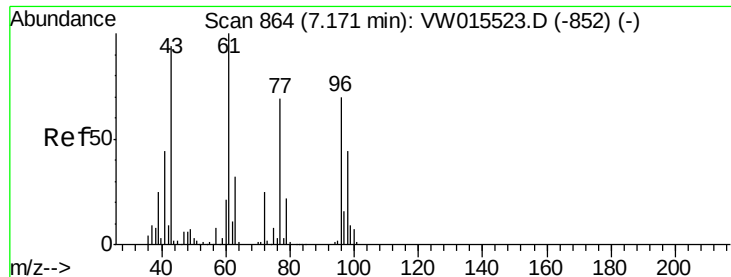
Tgt Ion: 77 Resp: 34353

Ion Ratio Lower Upper

77 100

97 20.8 11.1 33.3





#27

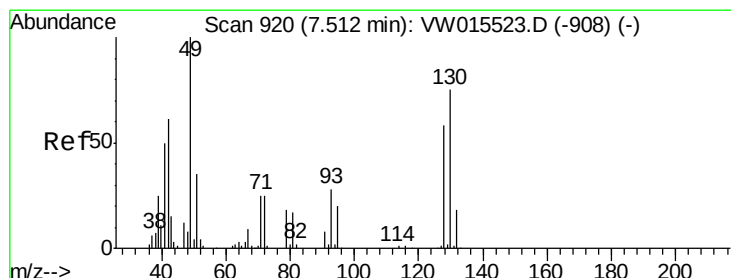
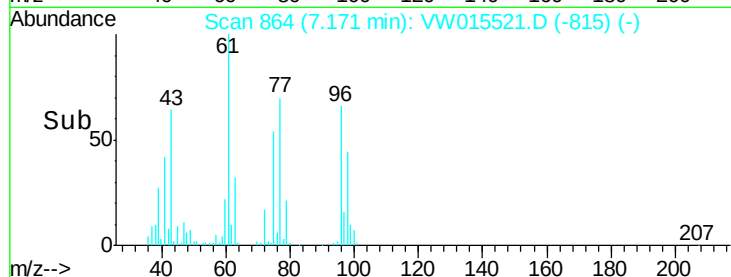
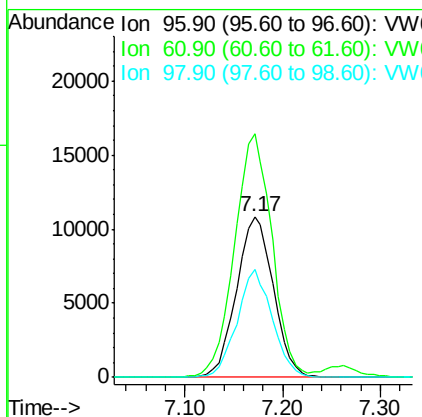
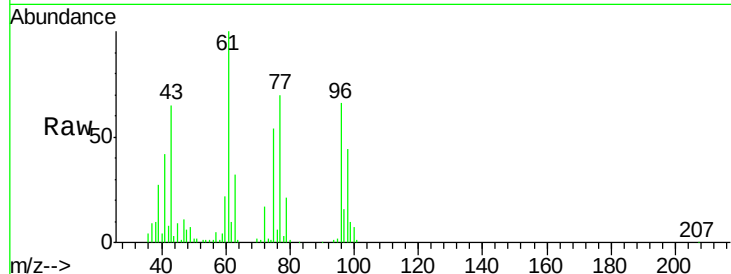
cis-1,2-Dichloroethene
Concen: 10.010 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	293.0
98	64.1	0.0	127.2

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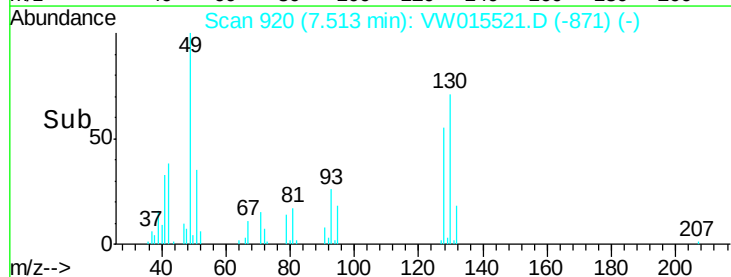
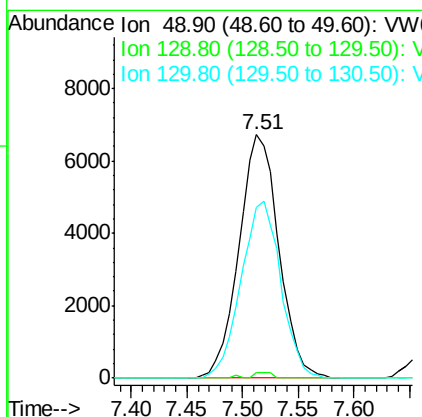
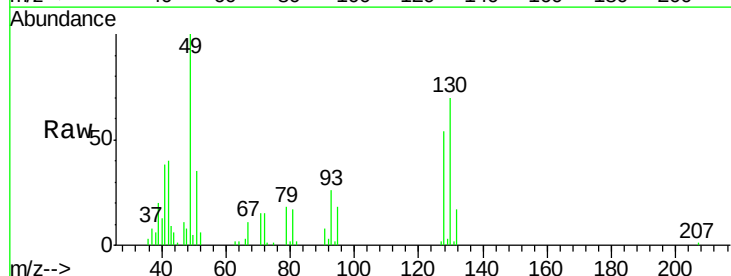
MMDadoda
6/2/2020 4:00:14 PM

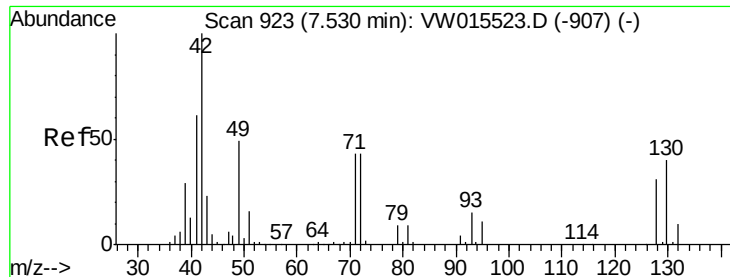


#28

Bromochloromethane
Concen: 8.972 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	72.4	59.7	89.5





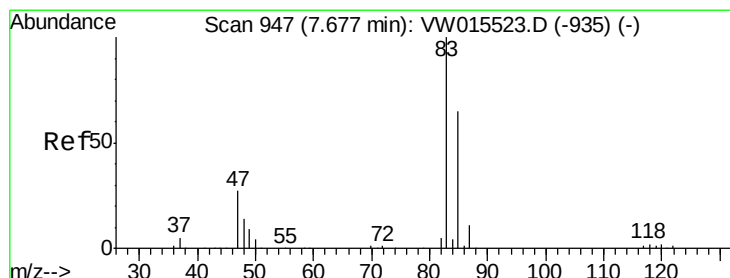
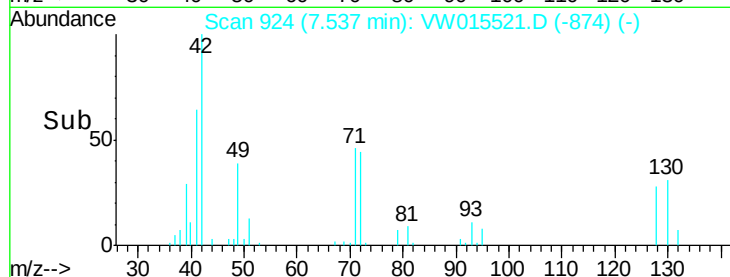
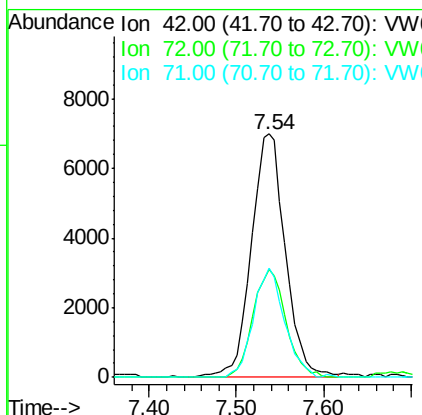
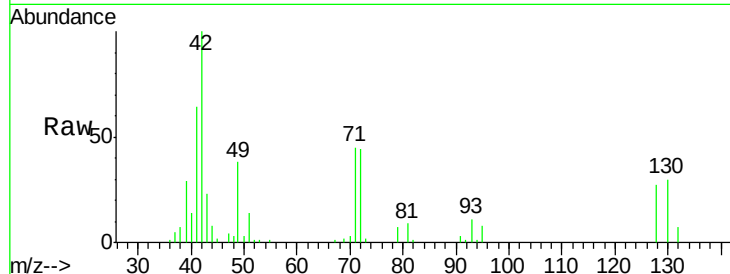
#29
Tetrahydrofuran
Concen: 45.133 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.8	52.2
71	40.9	33.3	49.9

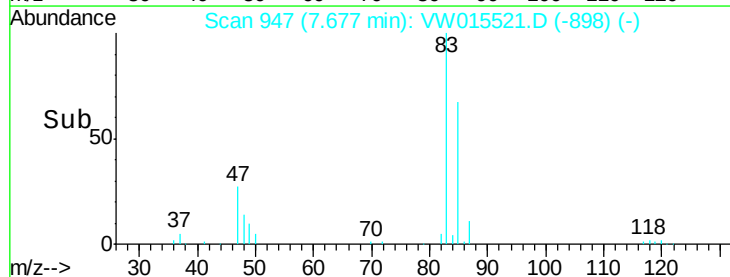
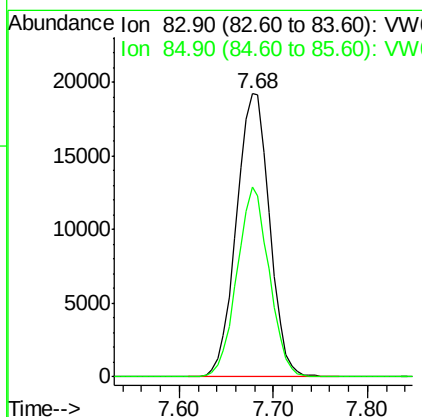
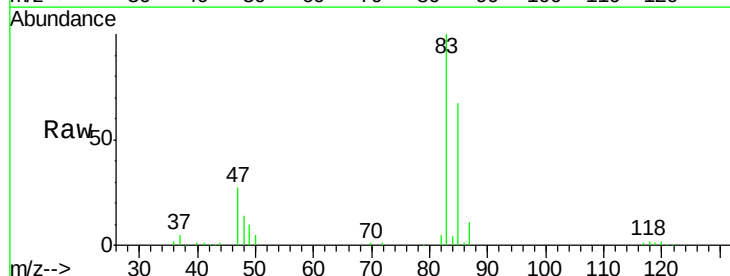
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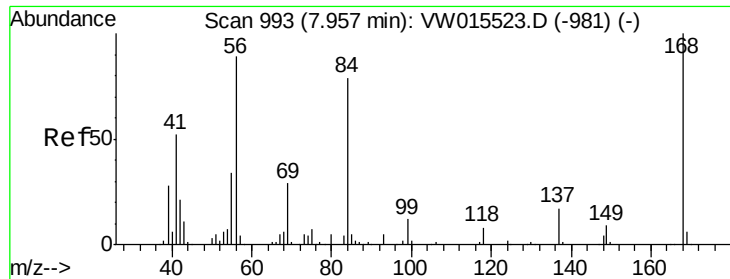
MMDadoda
6/2/2020 4:00:14 PM



#30
Chloroform
Concen: 10.137 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.2	78.4





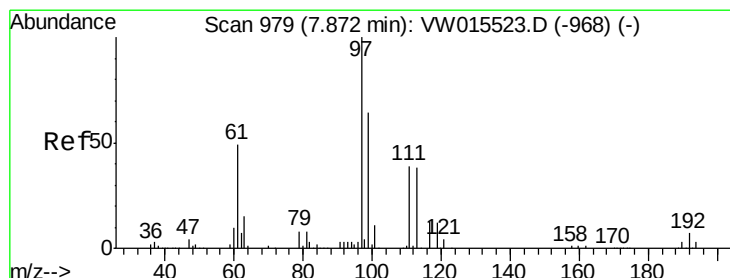
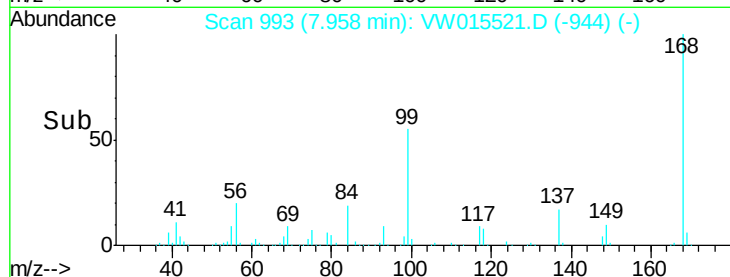
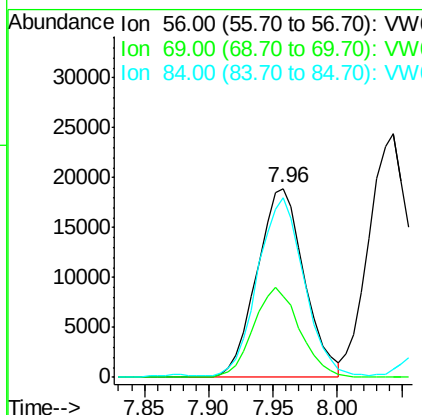
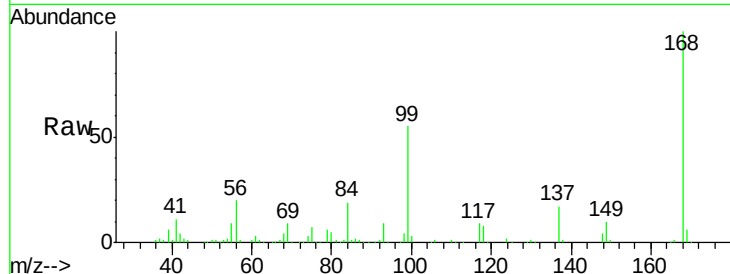
#31
Cyclohexane
Concen: 10.277 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.2	26.3	39.5#
84	93.6	71.0	106.4

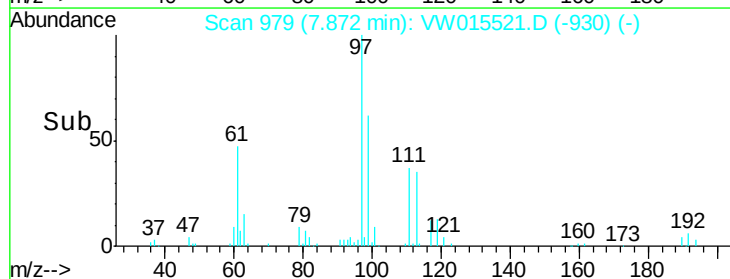
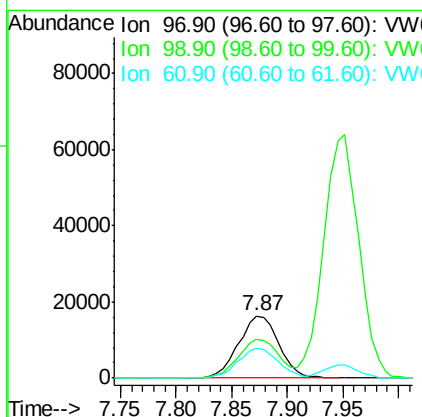
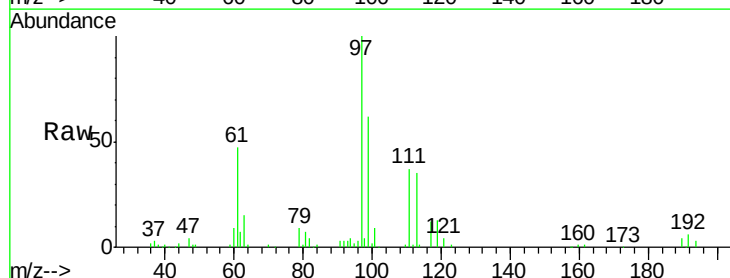
Manual Integrations
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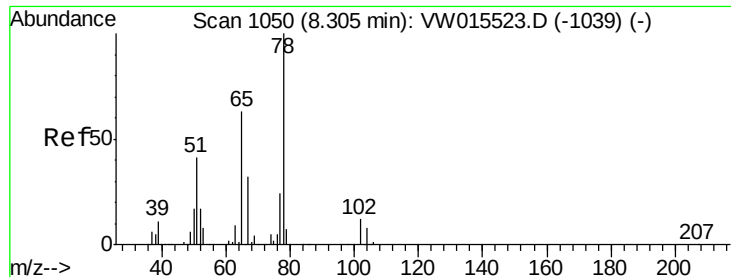
MMDadoda
6/2/2020 4:00:14 PM



#32
1,1,1-Trichloroethane
Concen: 10.496 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.4	77.0
61	47.8	37.8	56.8





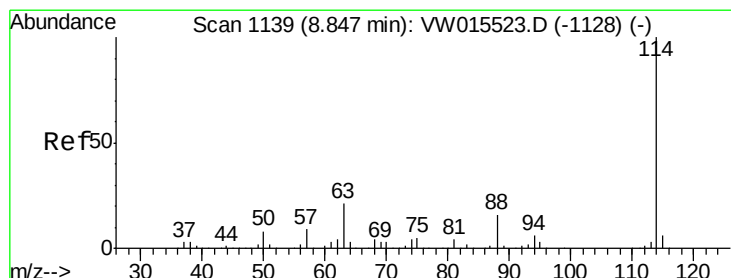
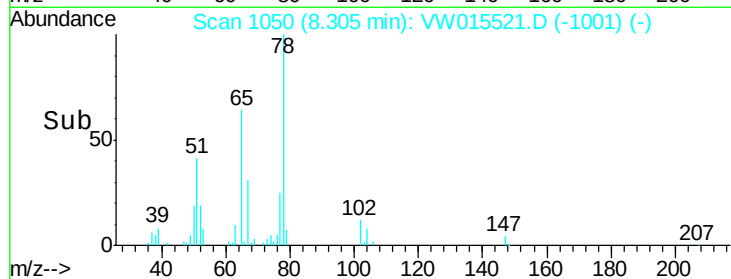
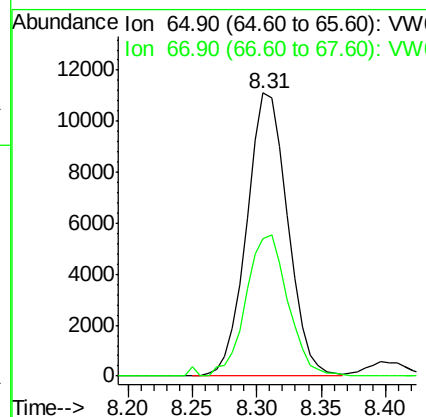
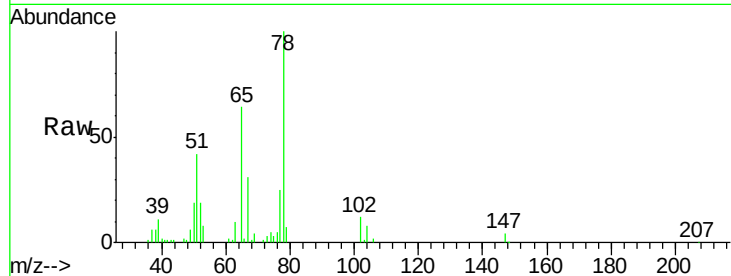
#33
 1,2-Dichloroethane-d4
 Concen: 9.474 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	100.8

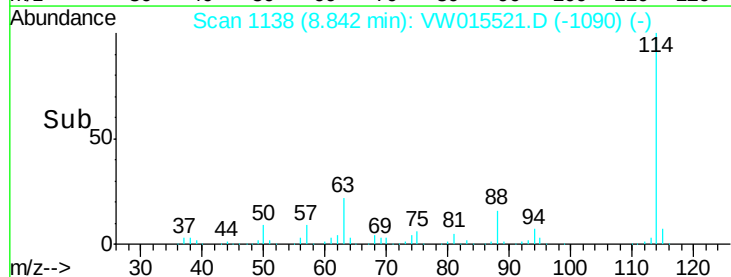
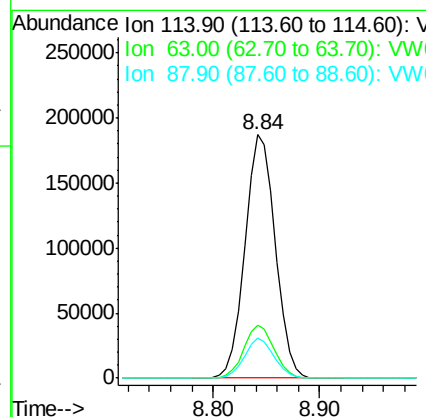
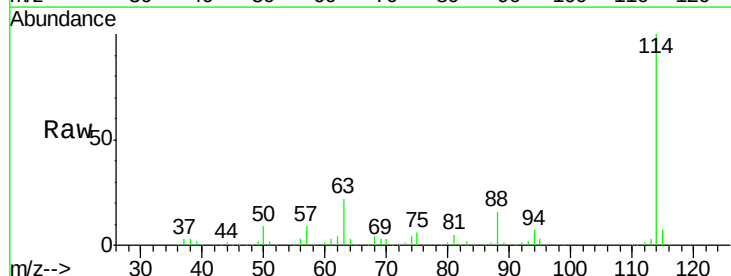
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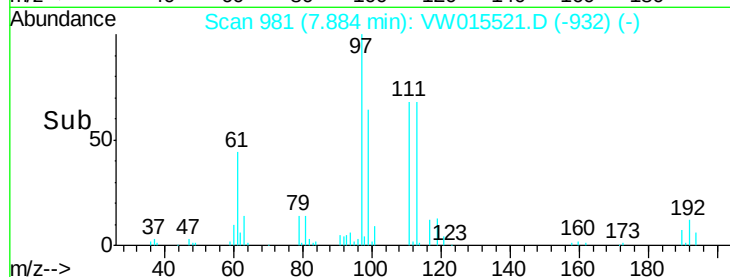
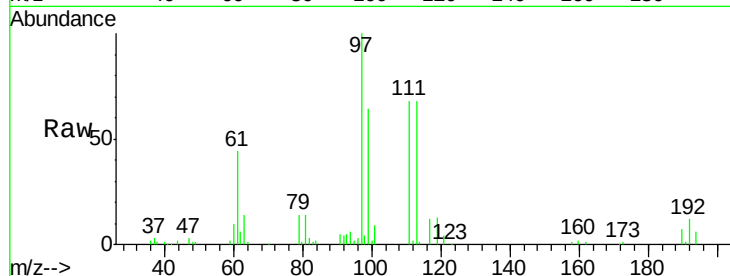
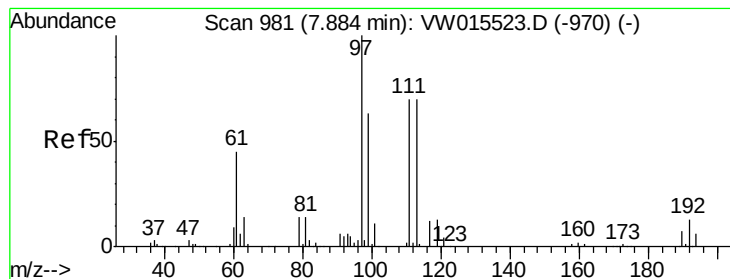
MMDadoda
 6/2/2020 4:00:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.0
88	16.3	0.0	31.8





#35

Dibromofluoromethane

Concen: 10.115 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tot Ion:	113	Resp:	21746
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	19.5	15.8	23.6

Instrument :

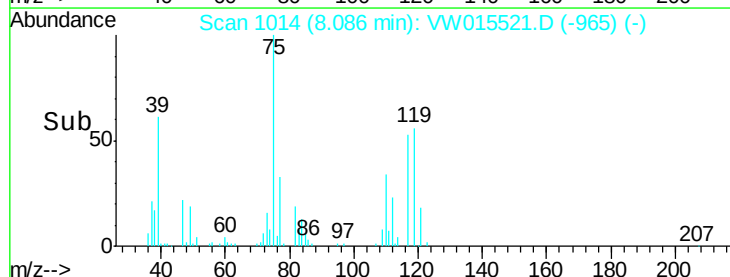
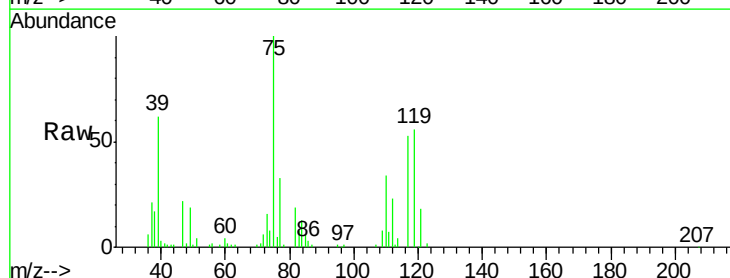
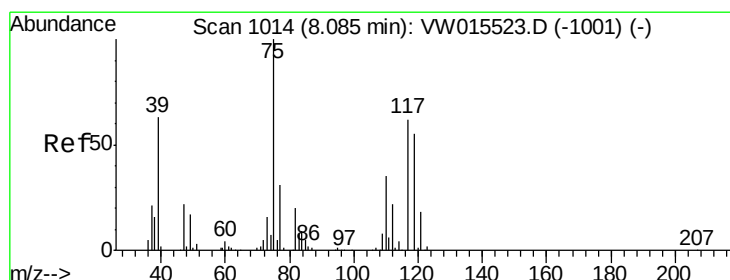
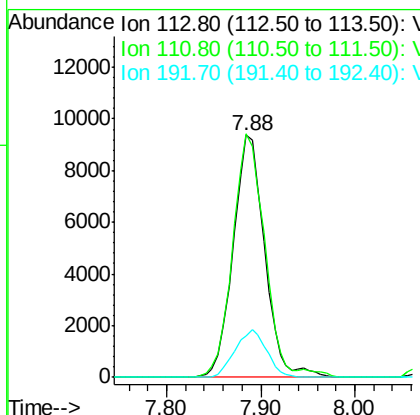
MSVOA_W

ClientSampleId :

VSTDIC010

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#36

1,1-Dichloropropene

Concen: 10.597 ug/l

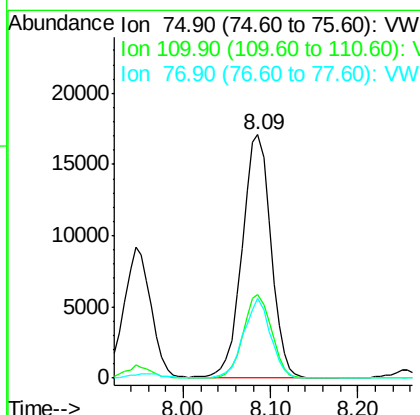
RT: 8.09 min Scan# 1014

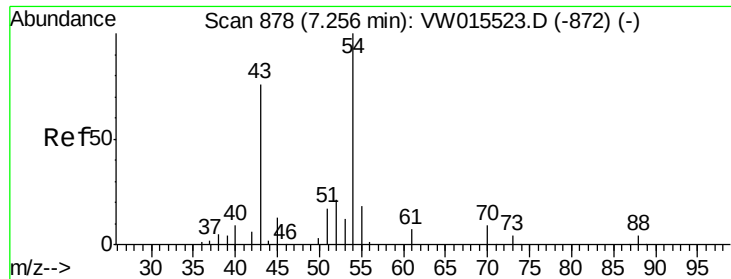
Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	75	Resp:	39248
Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.2	51.6
77	30.7	25.0	37.4





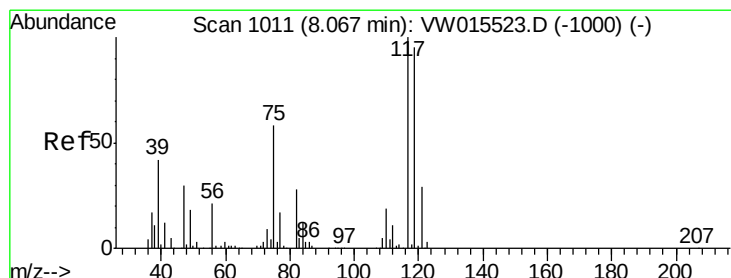
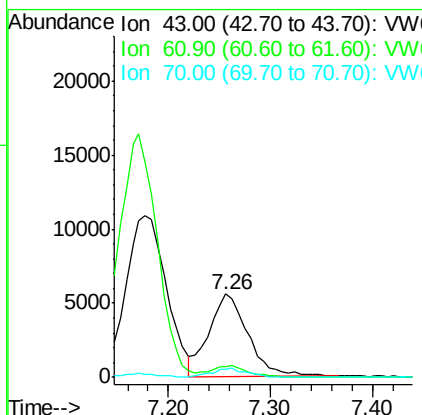
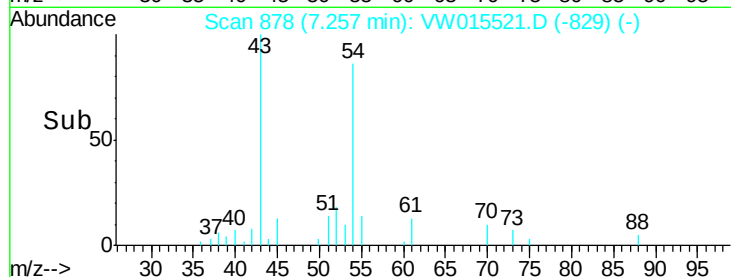
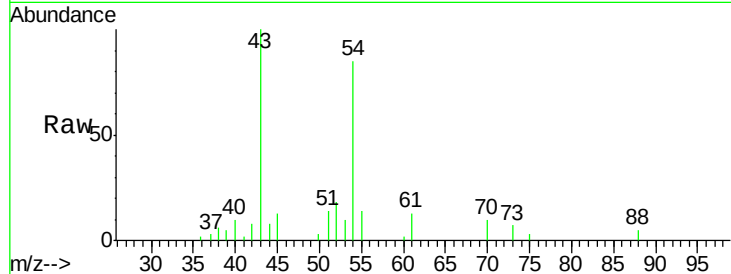
#37
Ethyl Acetate
Concen: 10.120 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.2	8.4	12.6

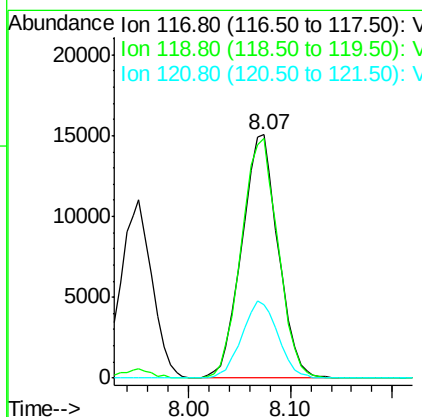
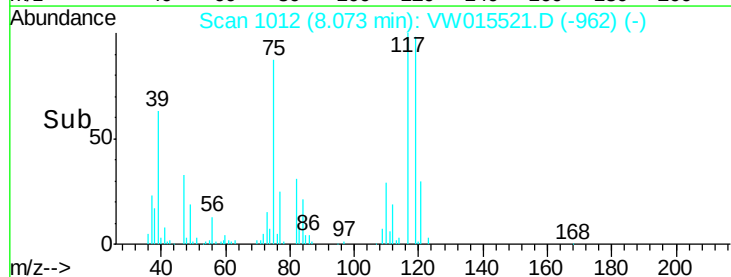
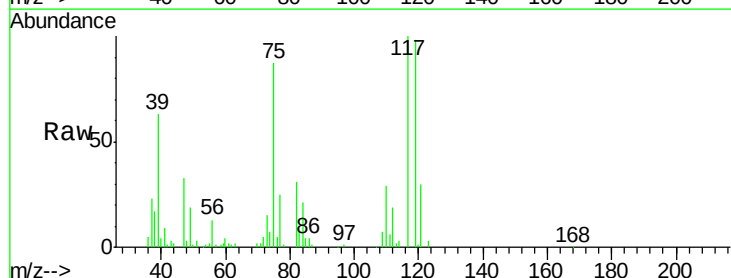
Manual Integrations
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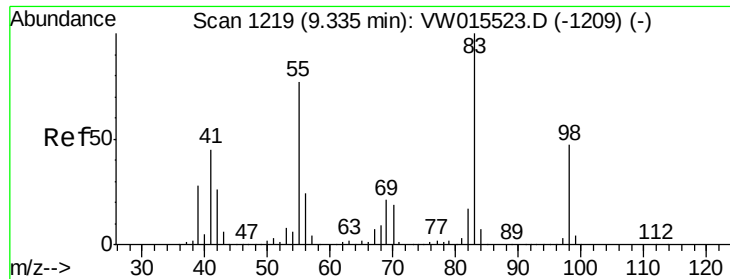
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#38
Carbon Tetrachloride
Concen: 10.661 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.9	113.9
121	30.1	23.5	35.3





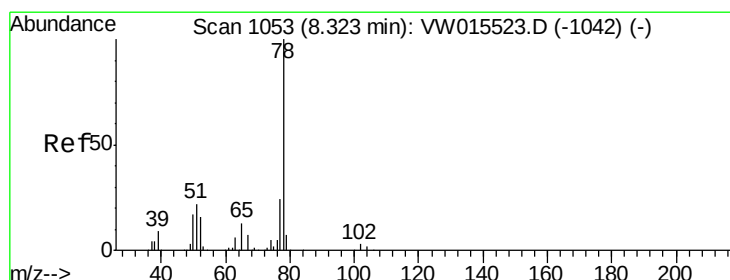
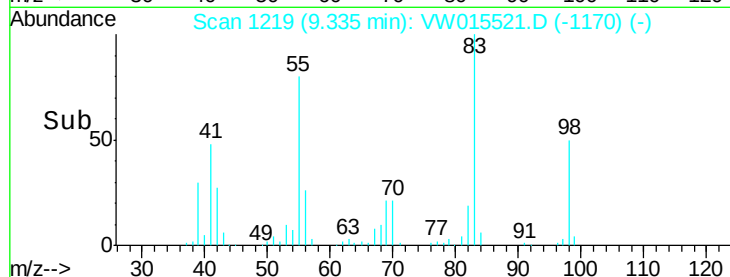
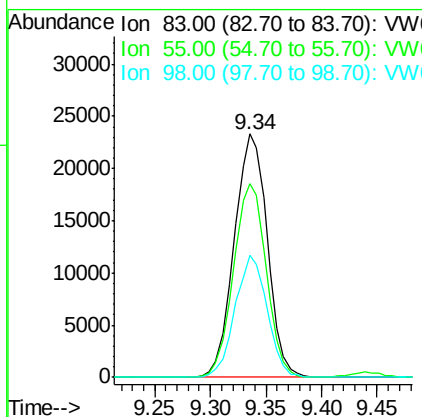
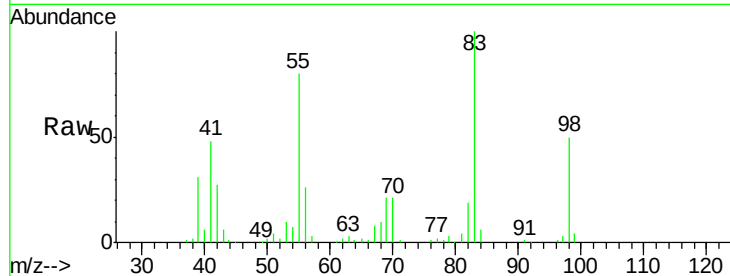
#39
Methylvlcyclohexane
Concen: 10.221 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	47937
Ion Ratio	Lower	Upper	
83	100		
55	79.6	61.7	92.5
98	50.1	37.7	56.5

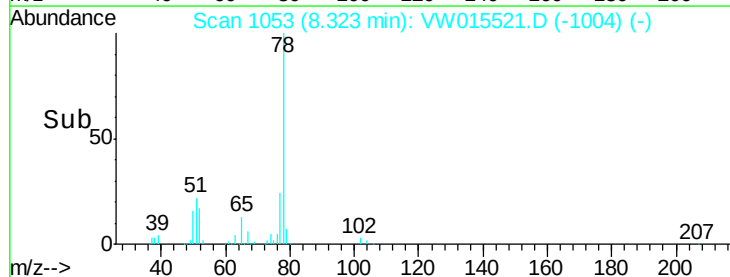
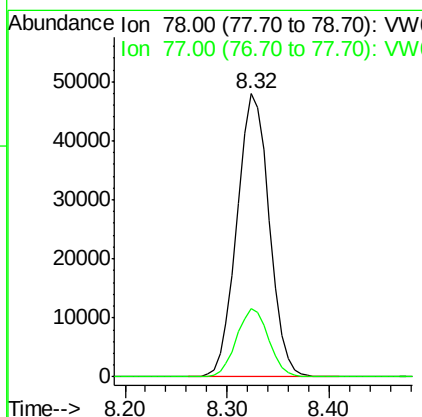
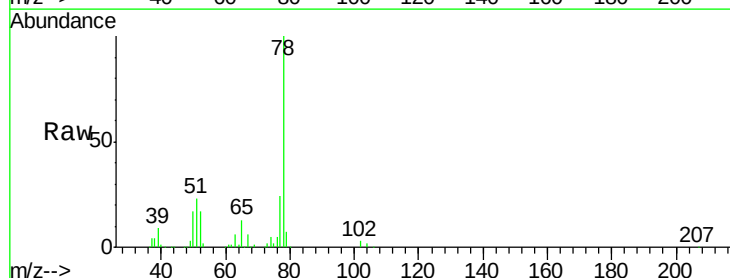
Manual Integrations
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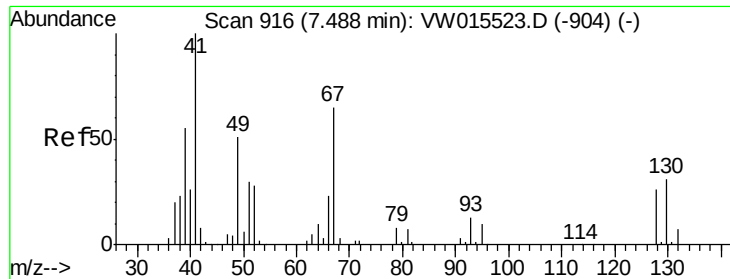
MMDadoda
6/2/2020 4:00:14 PM



#40
Benzene
Concen: 10.397 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	78	Resp	105461
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.2	28.8





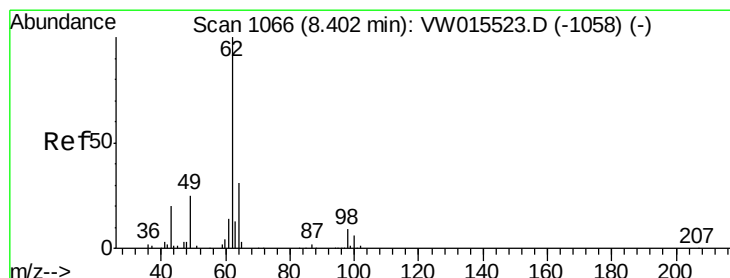
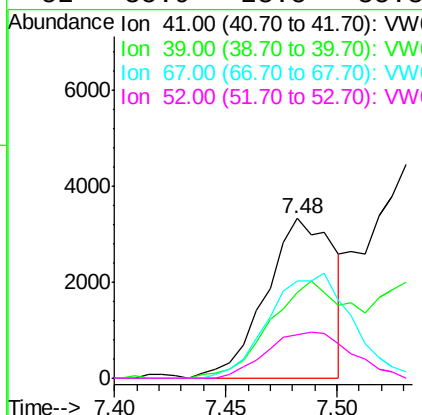
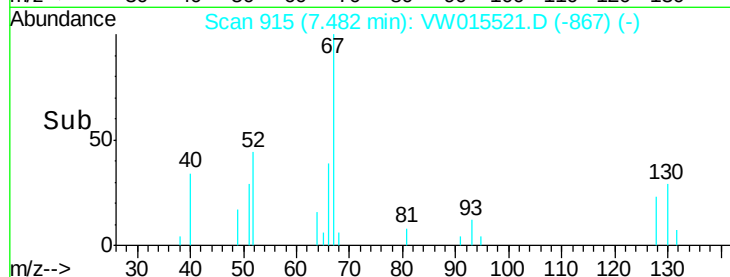
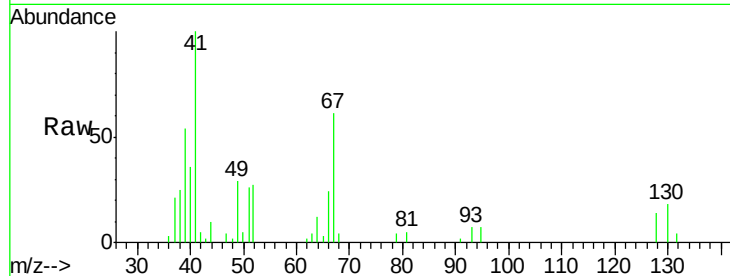
#41
Methacrylonitrile
Concen: 7.611 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	7080
Ion	Ratio	Lower	Upper
41	100		
39	73.6	44.5	66.7#
67	80.2	53.1	79.7#
52	35.9	23.5	35.3#

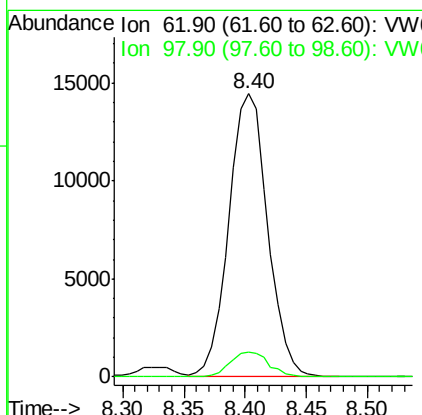
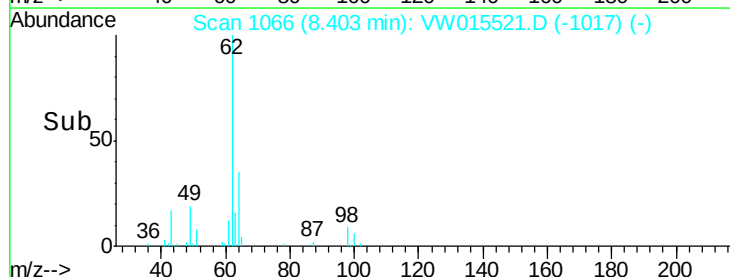
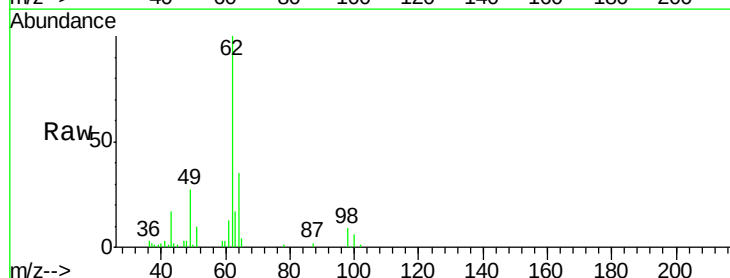
Manual Integrations
APPROVED

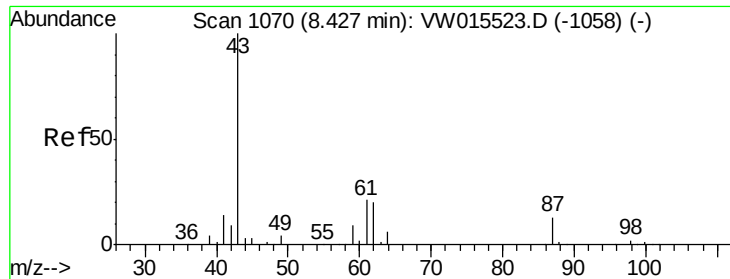
MMDadoda
6/2/2020 4:00:14 PM



#42
1,2-Dichloroethane
Concen: 10.223 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion:	62	Resp:	31767
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 9.362 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

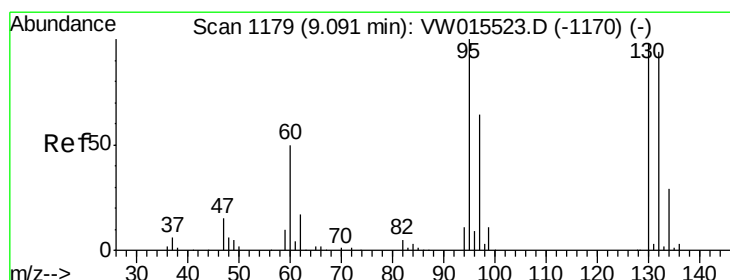
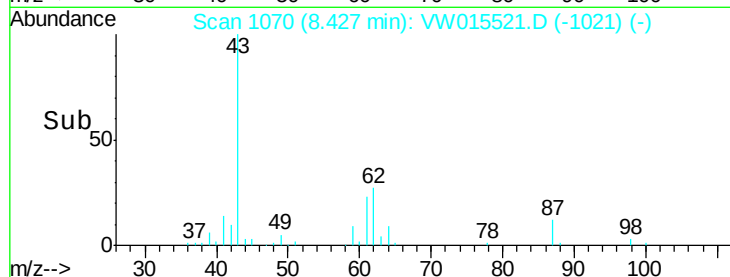
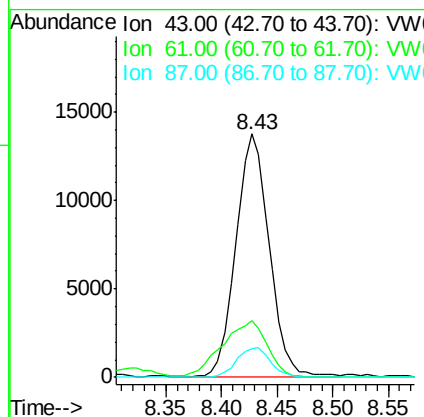
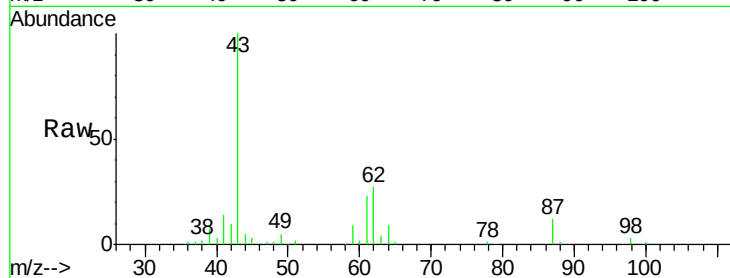
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	28738
Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.8	35.8
87	12.3	10.1	15.1

Manual Integrations
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MMDadoda
6/2/2020 4:00:14 PM



#44

Trichloroethene

Concen: 10.685 ug/l

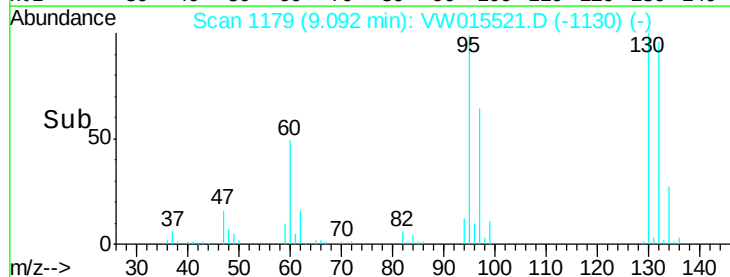
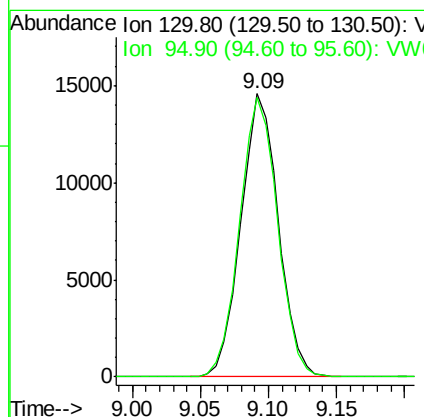
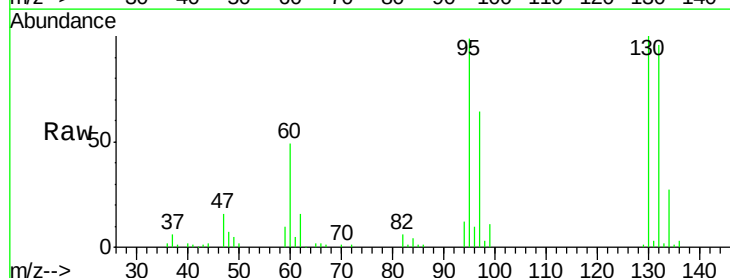
RT: 9.09 min Scan# 1179

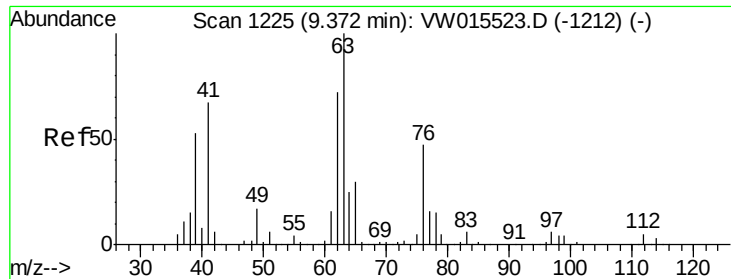
Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	130	Resp:	28132
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	204.0





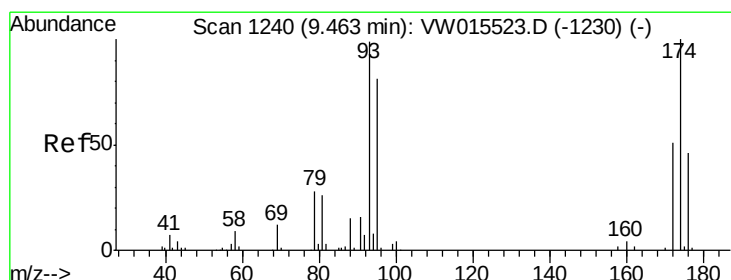
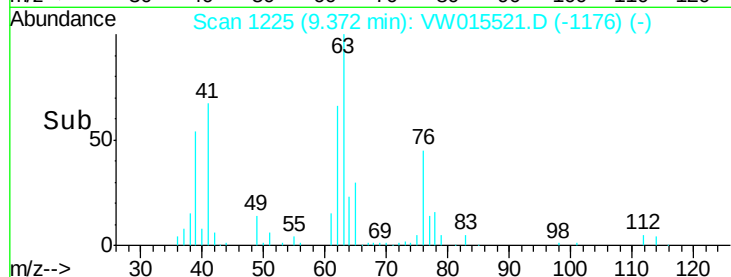
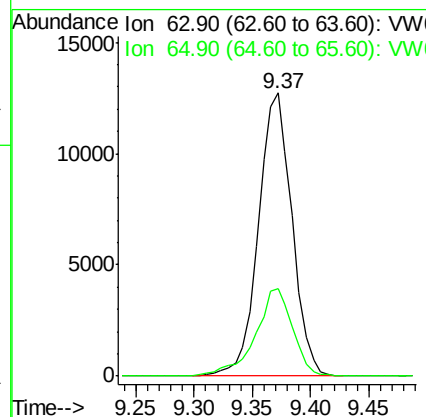
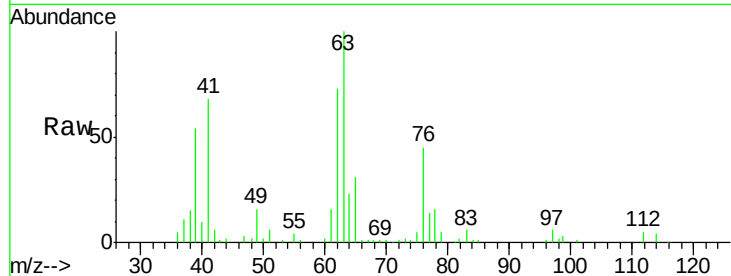
#45
 1,2-Dichloropropane
 Concen: 10.186 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 25536
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0

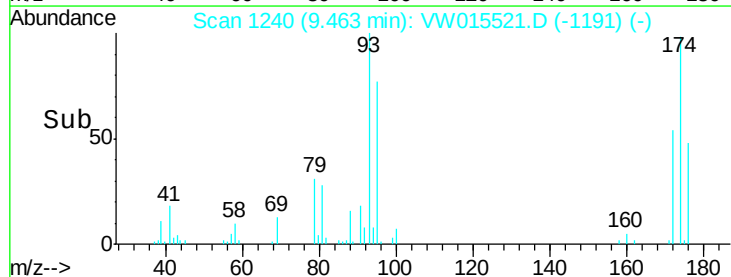
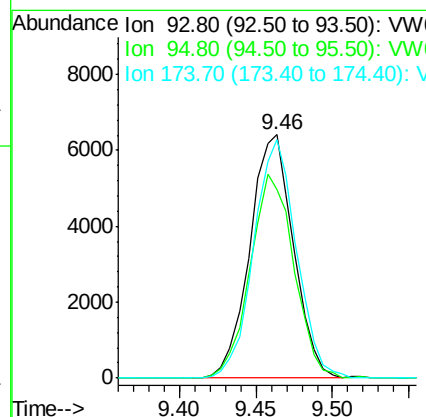
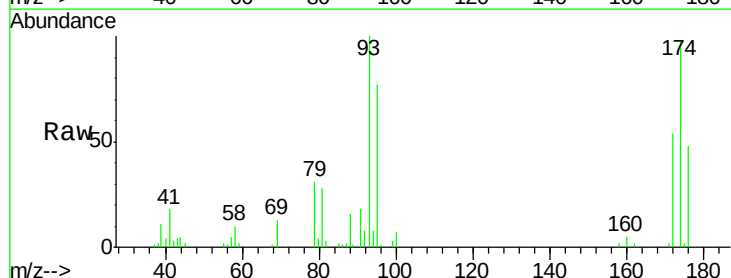
Manual Integrations
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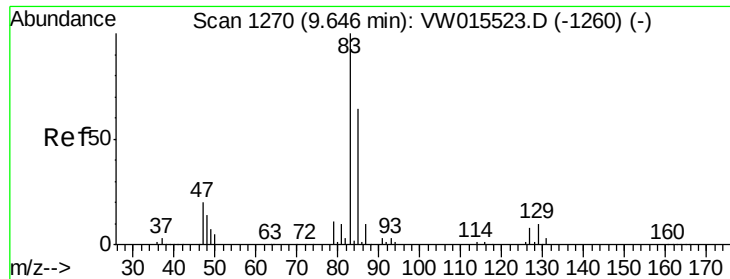
MMDadoda
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#46
 Dibromomethane
 Concen: 10.070 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion: 93 Resp: 12711
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.1 97.7
 174 95.9 78.6 118.0





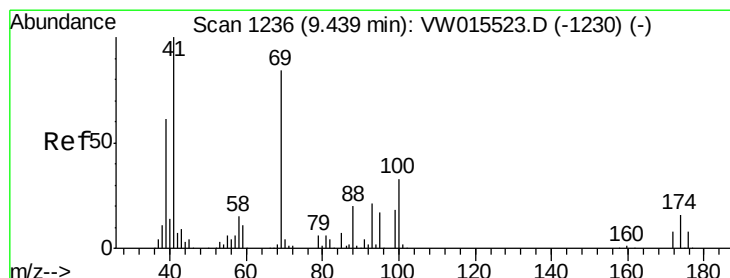
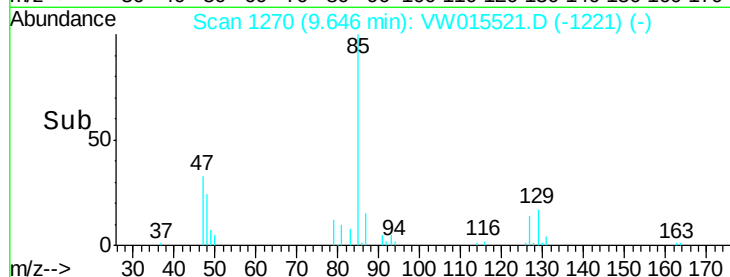
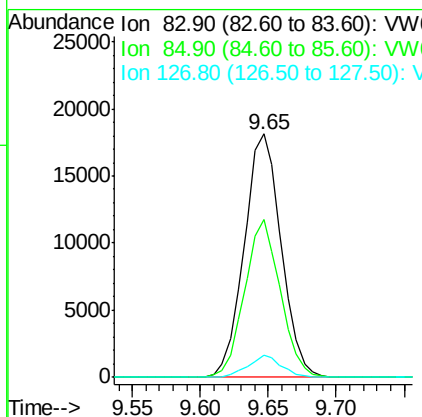
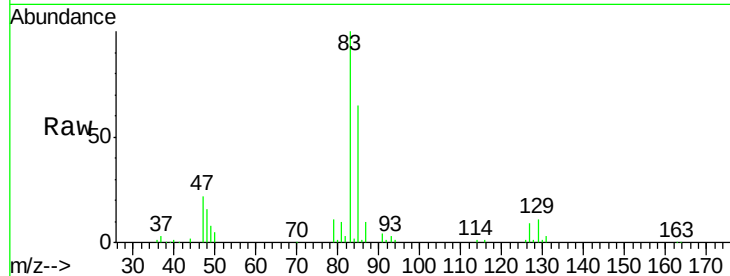
#47
Bromodichloromethane
Concen: 10.104 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.9	51.1	76.7	
127	9.3	6.4	9.6	

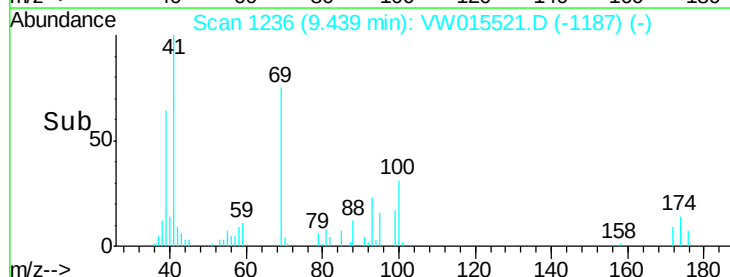
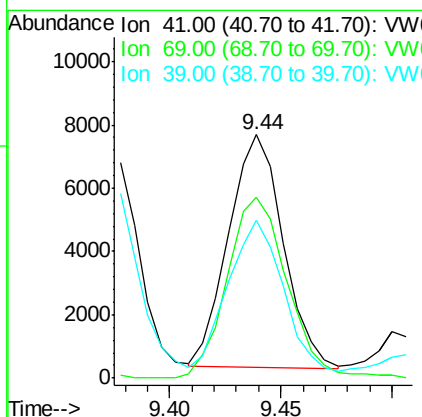
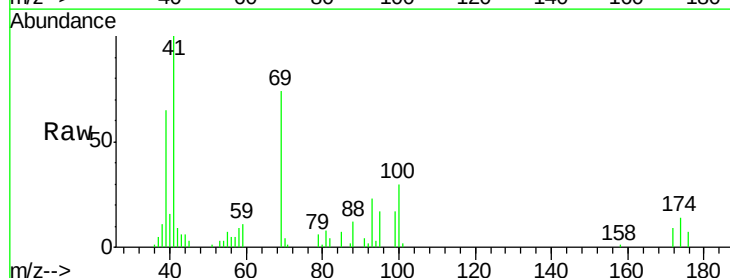
Manual Integrations
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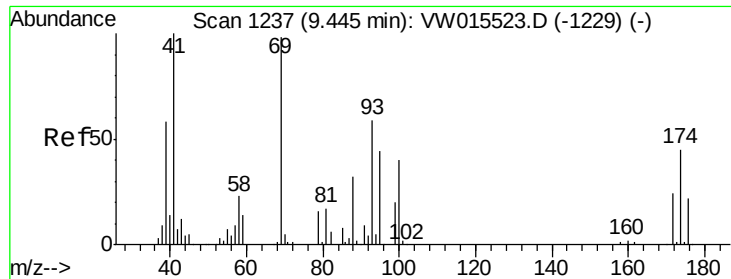
MMDadoda
6/2/2020 4:00:14 PM



#48
Methyl methacrylate
Concen: 8.943 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.3	67.8	101.8	
39	65.0	50.2	75.2	





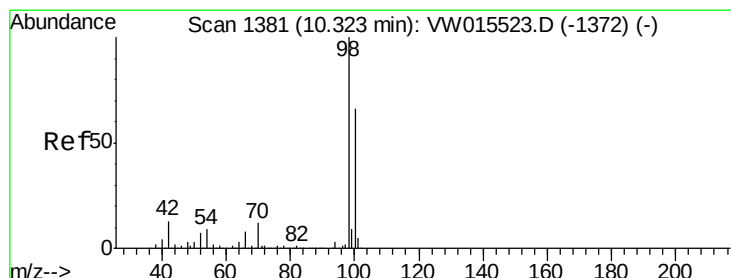
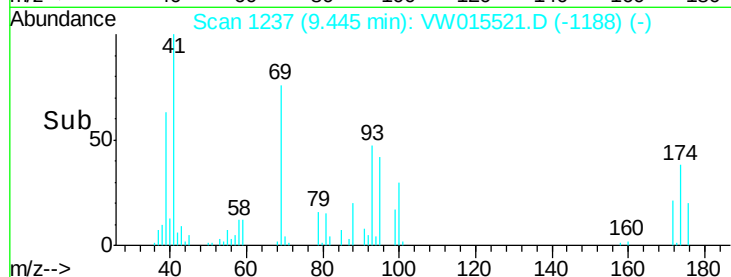
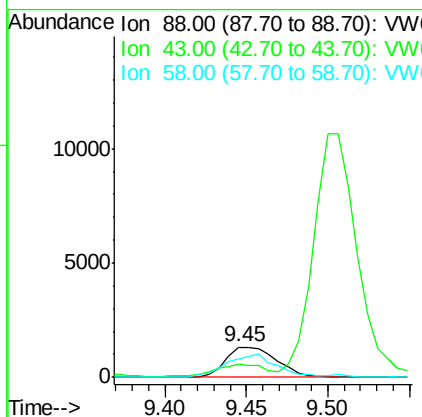
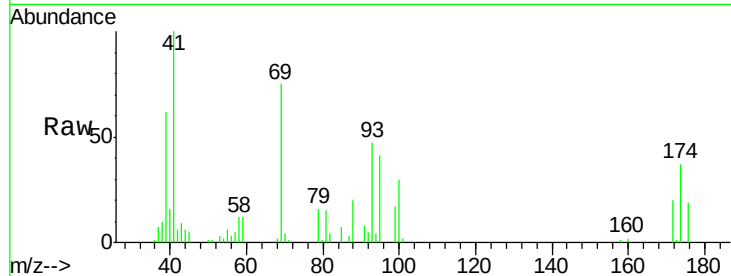
#49
 1,4-Dioxane
 Concen: 175.040 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	88	Resp	2860
Ion	Ratio	Lower	Upper
88	100		
43	45.4	27.9	41.9#
58	79.1	58.8	88.2

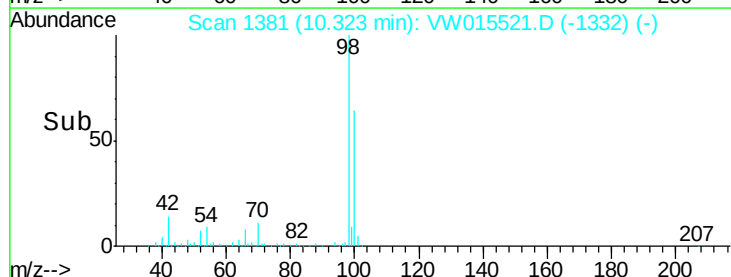
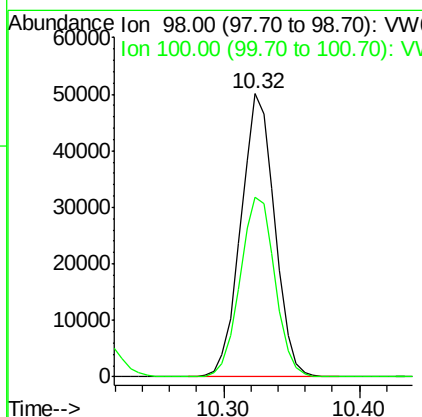
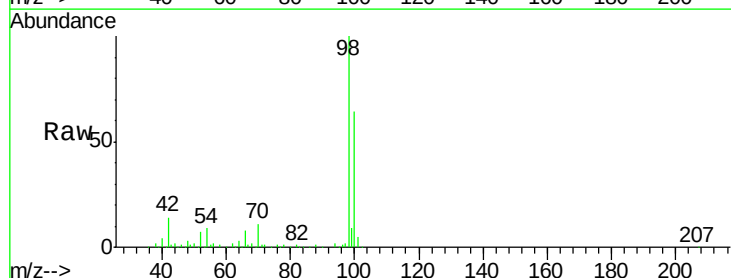
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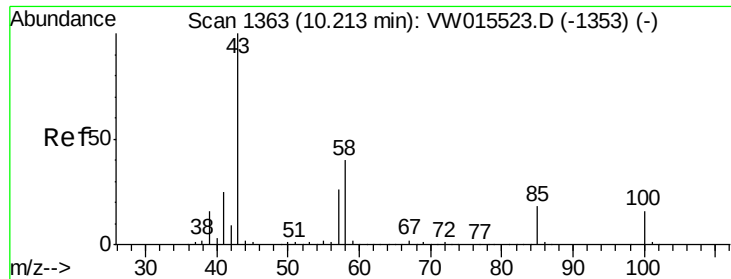
MMDadoda
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#50
 Toluene-d8
 Concen: 9.832 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	98	Resp	86791
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8





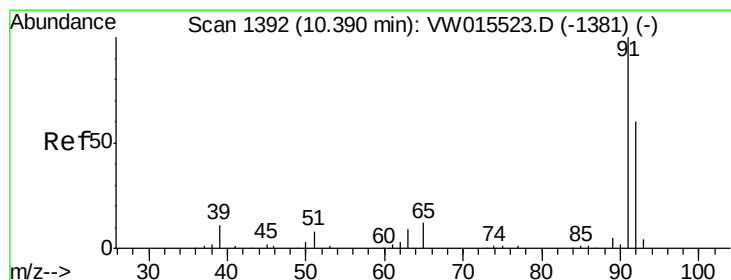
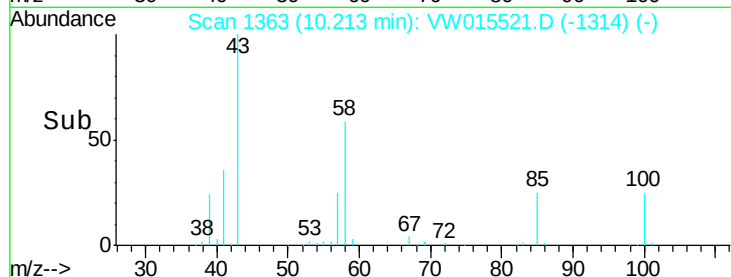
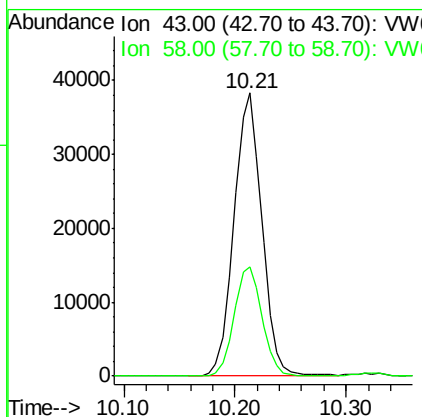
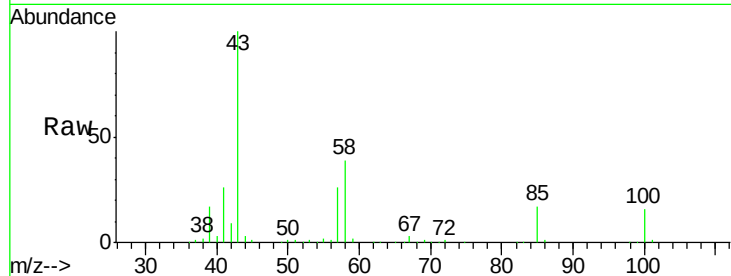
#51
4-Methyl-2-Pentanone
Concen: 45.750 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 65905
Ion Ratio Lower Upper
43 100
58 38.9 31.4 47.0

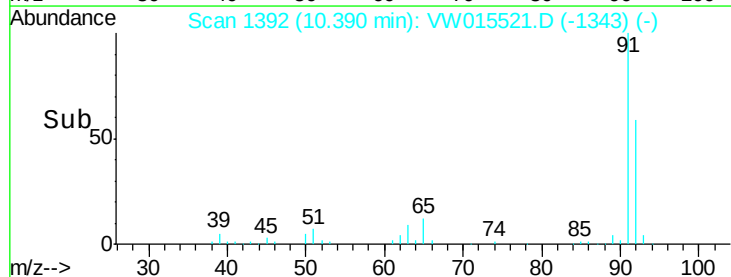
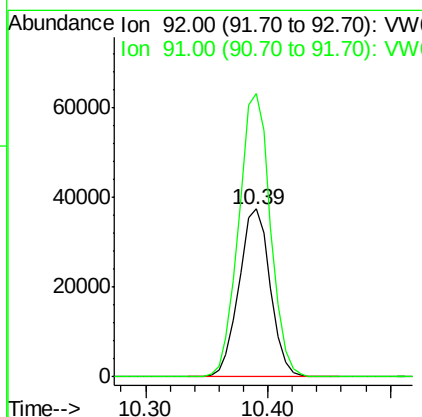
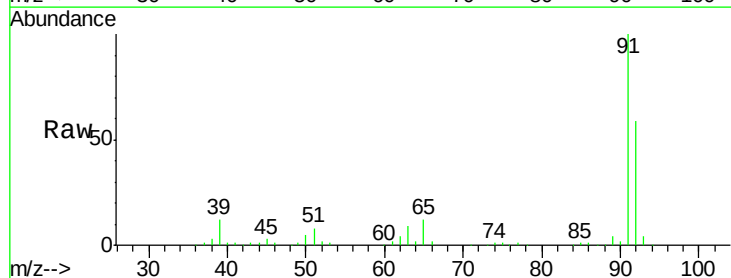
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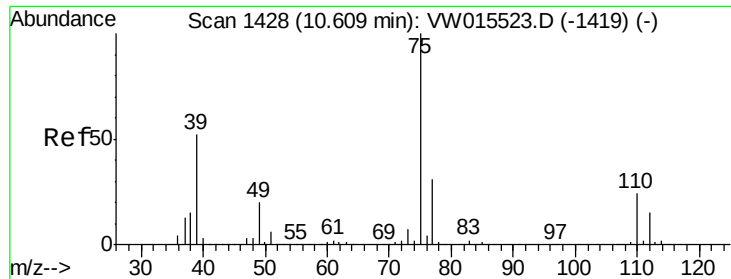
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#52
Toluene
Concen: 10.099 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion: 92 Resp: 66421
Ion Ratio Lower Upper
92 100
91 171.0 136.5 204.7





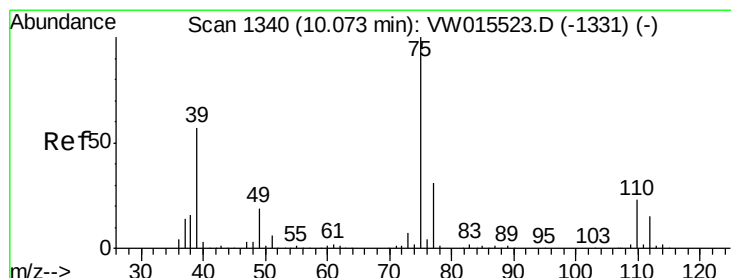
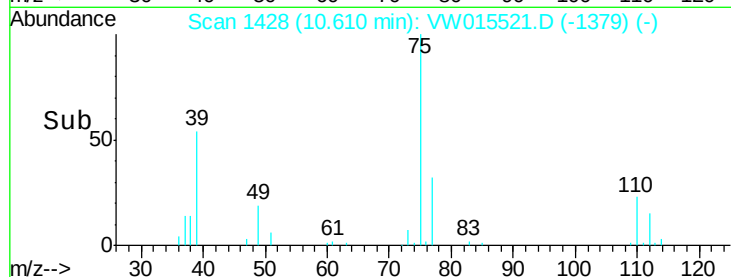
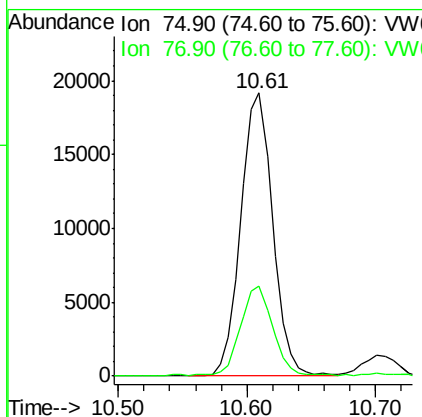
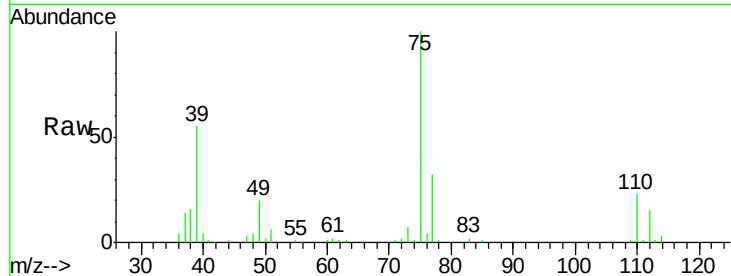
#53
t-1,3-Dichloropropene
Concen: 9.426 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 32834
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

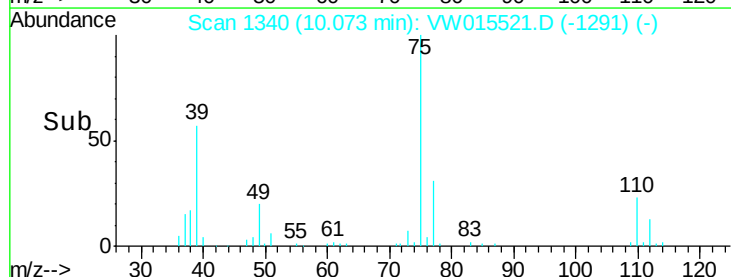
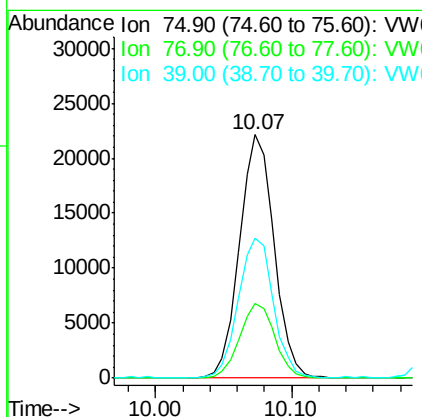
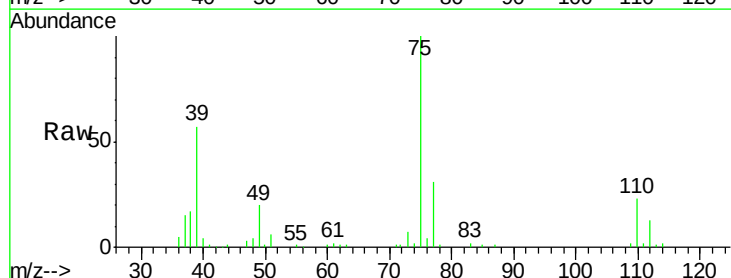
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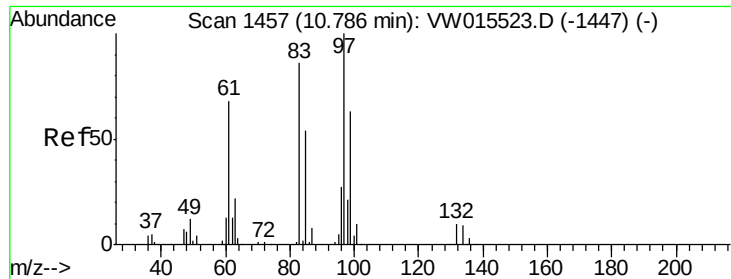
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#54
cis-1,3-Dichloropropene
Concen: 9.655 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion: 75 Resp: 39391
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 57.4 45.4 68.2





#55

1,1,2-Trichloroethane

Concen: 9.840 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

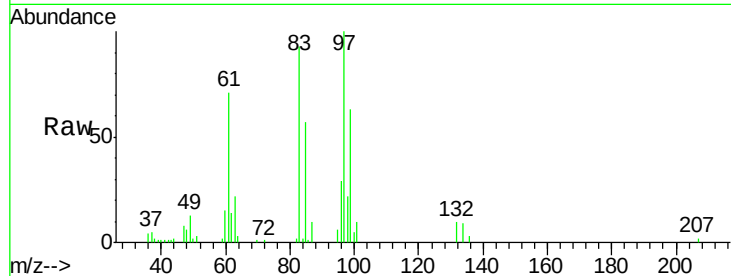
ClientSampleId :

VSTDIC010

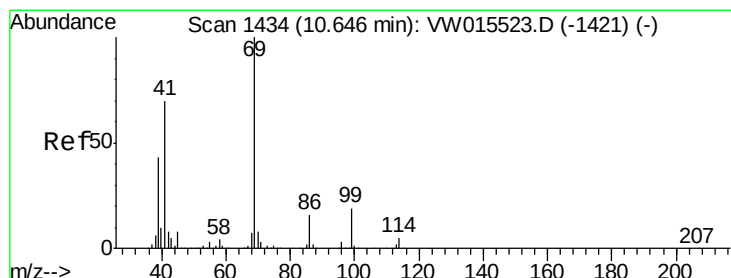
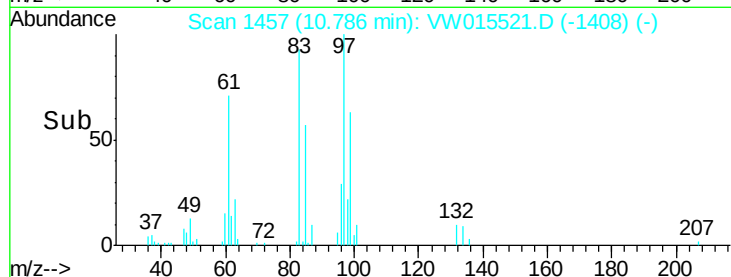
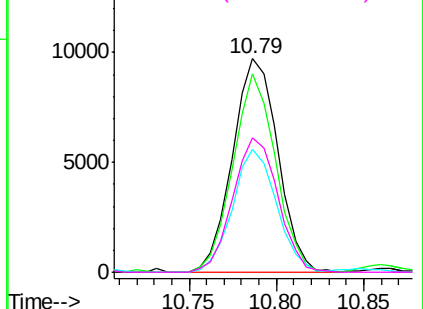
Tot Ion:	97	Resp:	17525
Ion	Ratio	Lower	Upper
97	100		
83	92.6	68.6	102.8
85	57.3	43.2	64.8
99	62.9	50.5	75.7

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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 8.925 ug/l

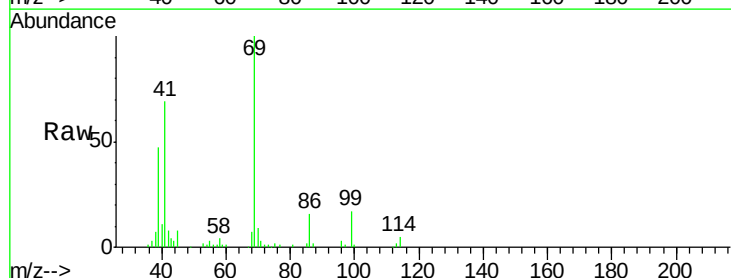
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

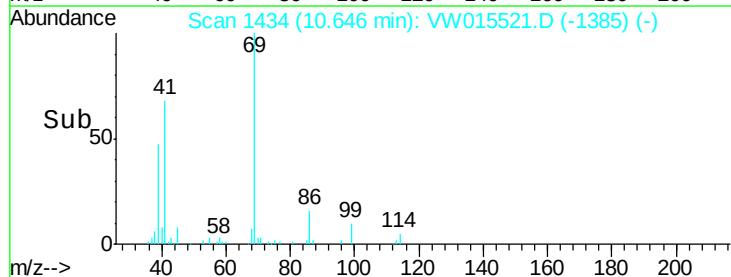
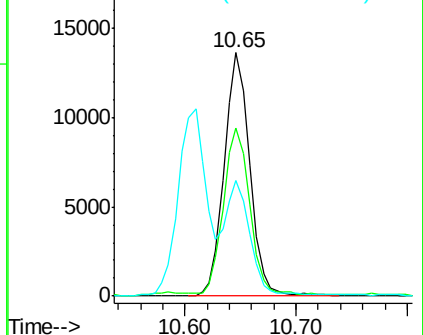
Lab File: VW015521.D

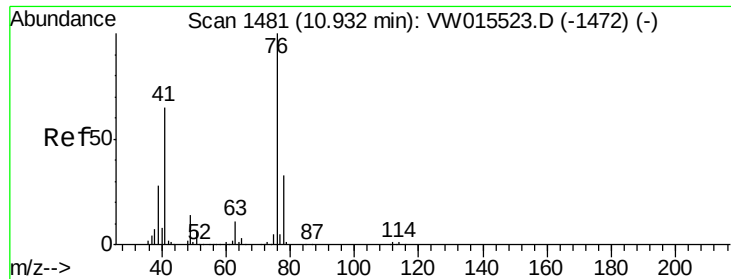
Acq: 02 Jun 2020 11:50

Tgt Ion:	69	Resp:	21712
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.2	84.4
39	45.4	33.3	49.9



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 9.912 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 31603

Ion Ratio Lower Upper

76 100

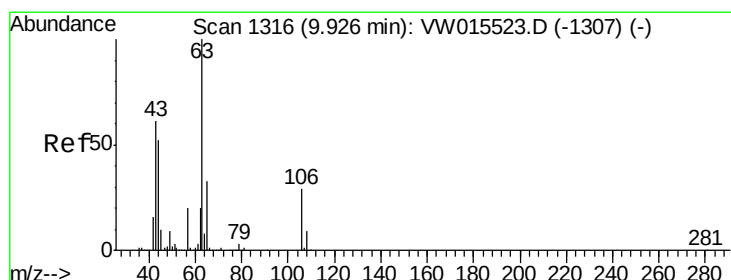
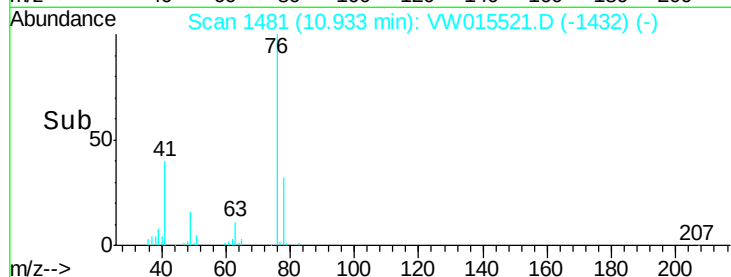
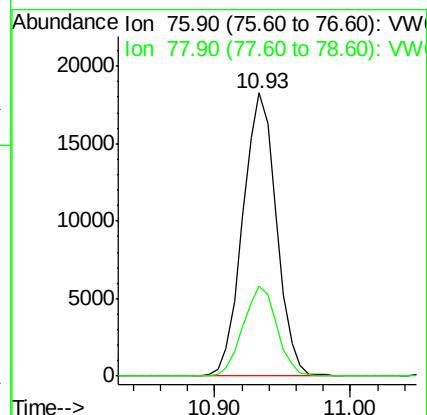
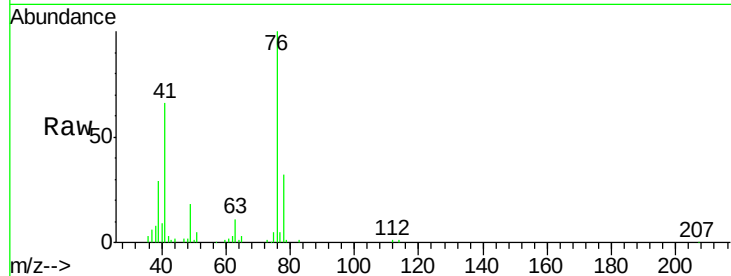
78 31.9 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 45.960 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015521.D

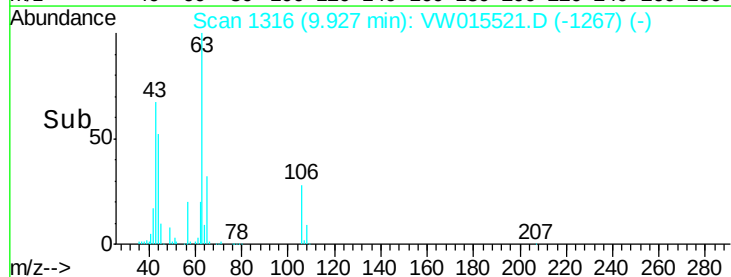
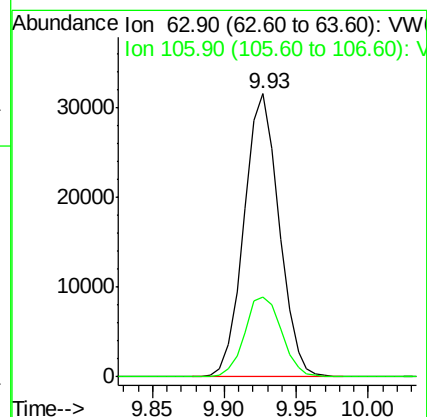
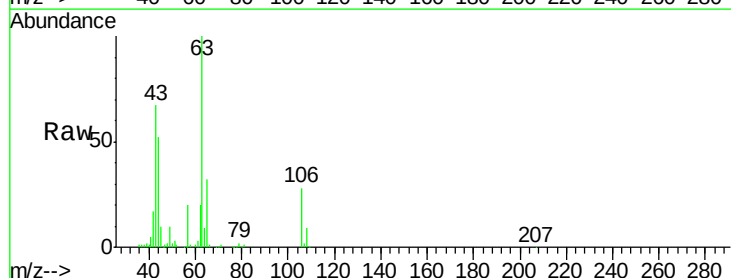
Acq: 02 Jun 2020 11:50

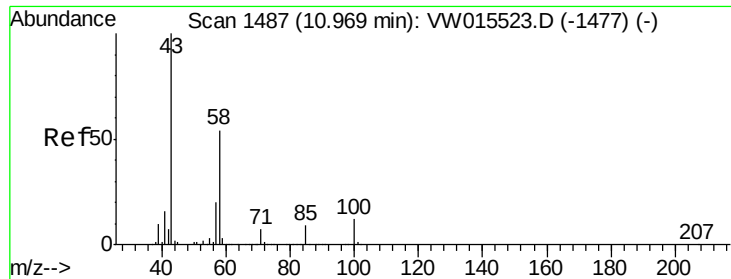
Tgt Ion: 63 Resp: 53220

Ion Ratio Lower Upper

63 100

106 29.7 22.9 34.3





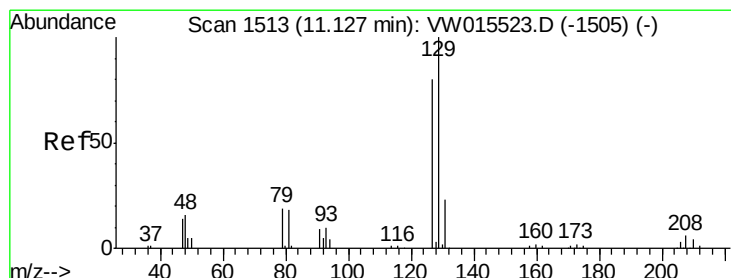
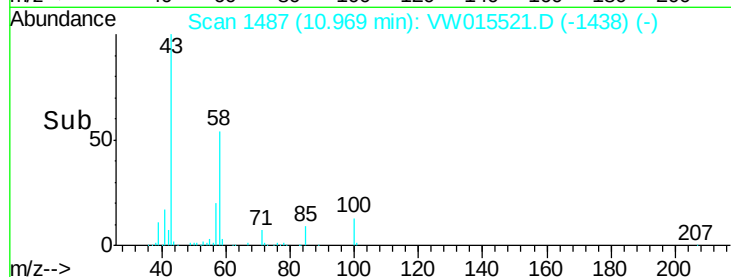
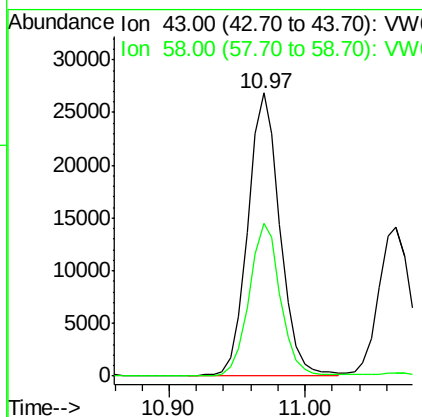
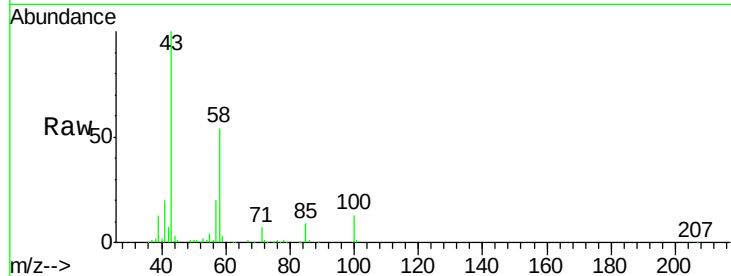
#59
2-Hexanone
Concen: 45.135 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 44485
Ion Ratio Lower Upper
43 100
58 52.6 26.8 80.3

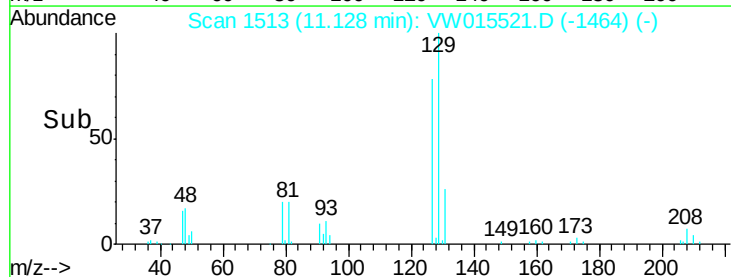
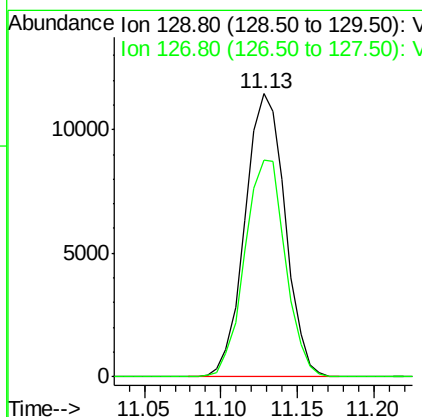
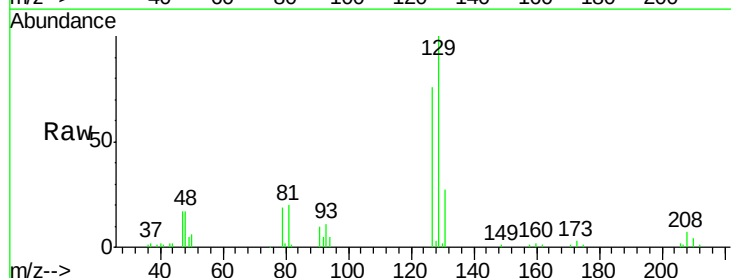
Manual Integrations
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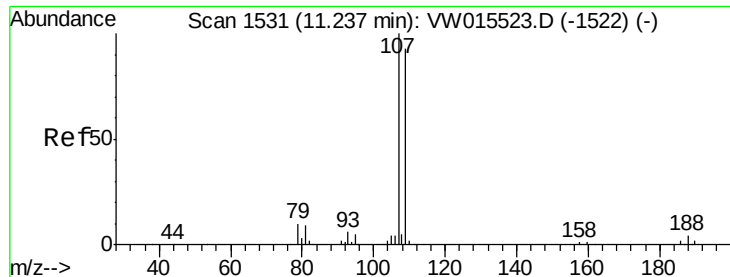
MMDadoda
6/2/2020 4:00:14 PM



#60
Dibromochloromethane
Concen: 9.743 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion: 129 Resp: 20912
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 10.095 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 107 Resp: 17042

Ion Ratio Lower Upper

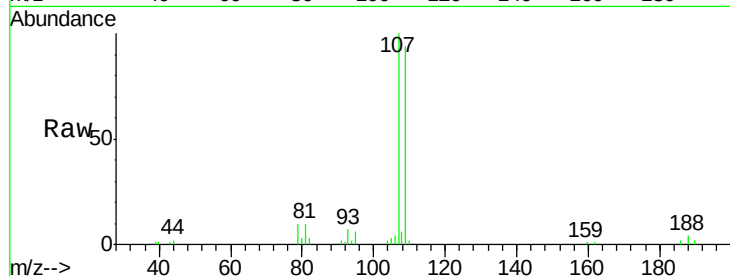
107 100

109 90.6 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

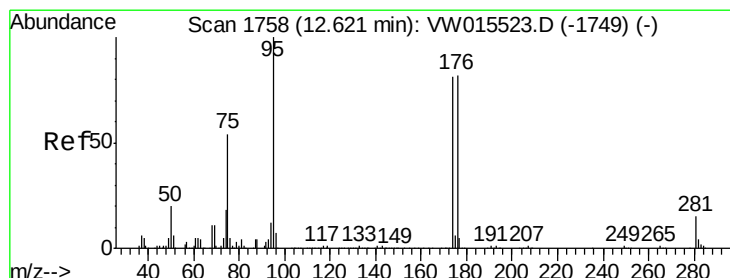
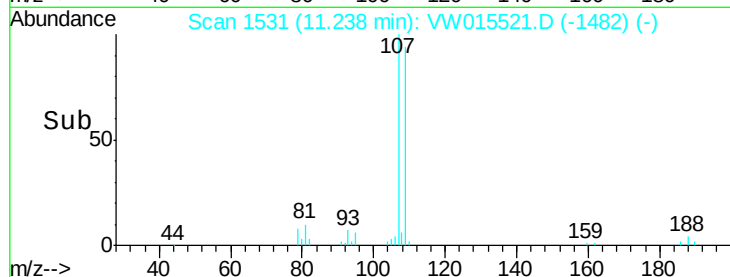
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 9.402 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

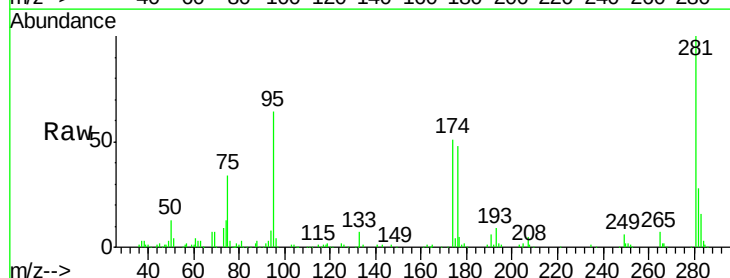
Tgt Ion: 95 Resp: 30654

Ion Ratio Lower Upper

95 100

174 76.7 0.0 153.6

176 76.5 0.0 152.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

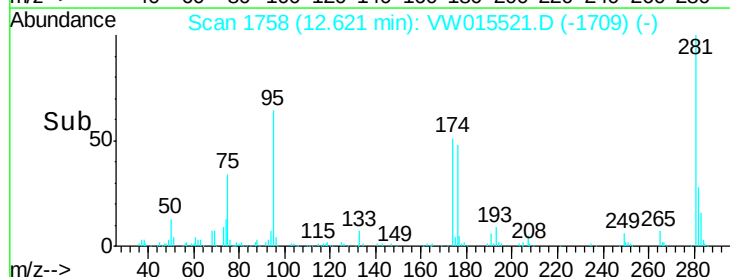
15000

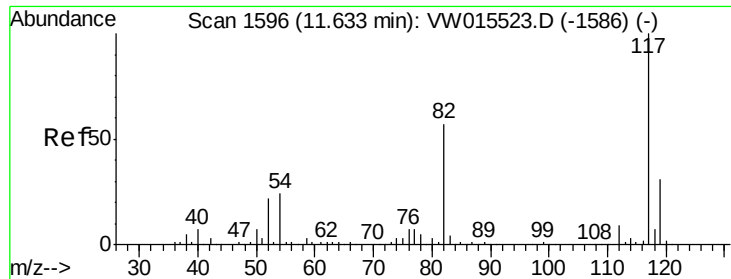
10000

5000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

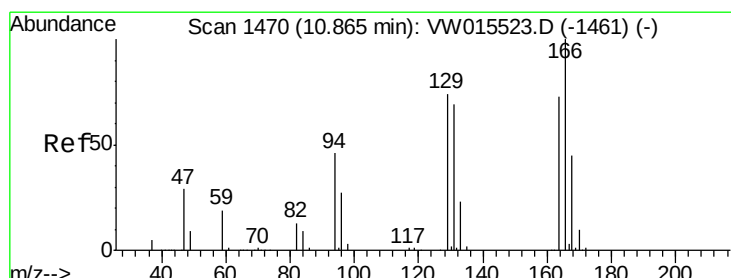
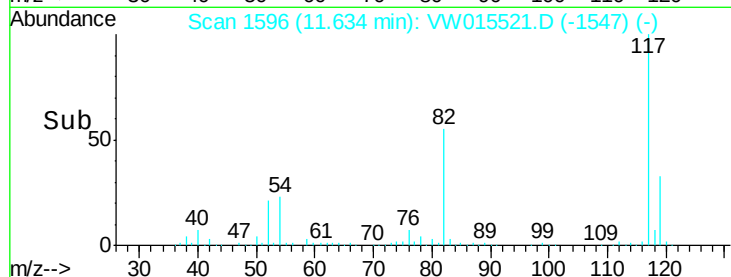
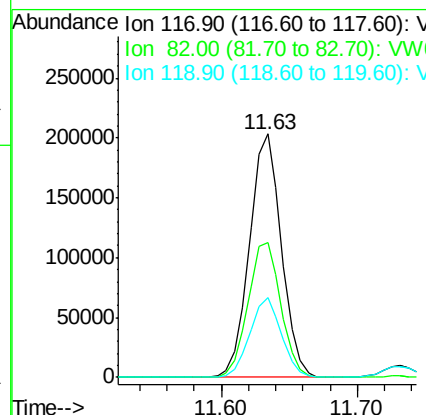
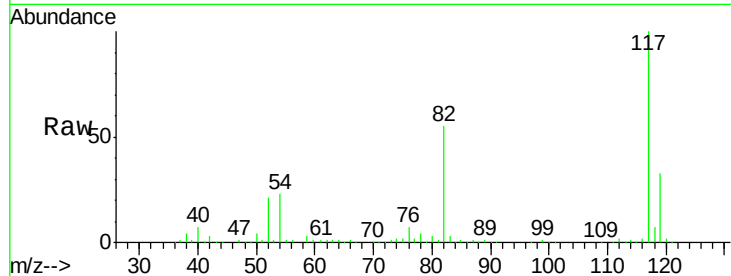
ClientSampleId :

VSTDIC010

Tot Ion:	117	Resp:	333761
Ion Ratio	Lower	Upper	
117	100		
82	55.1	45.8	68.8
119	32.6	24.7	37.1

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#64

Tetrachloroethene

Concen: 11.525 ug/l

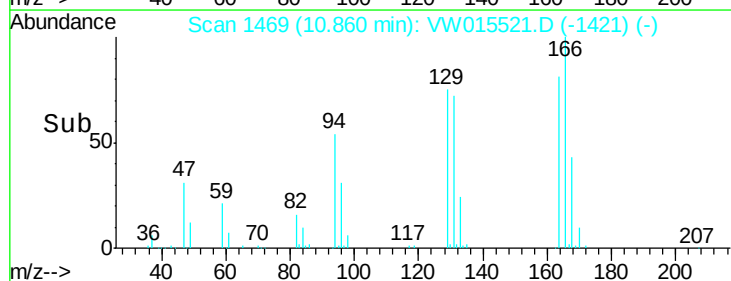
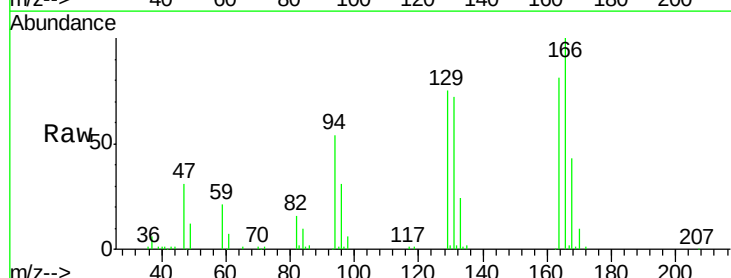
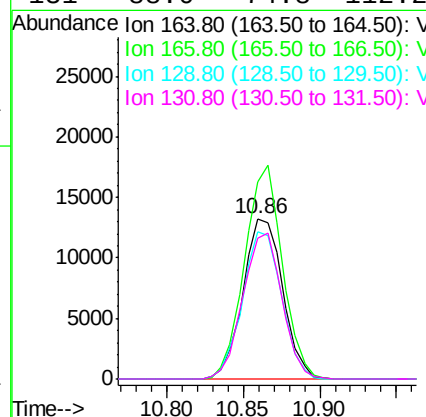
RT: 10.86 min Scan# 1469

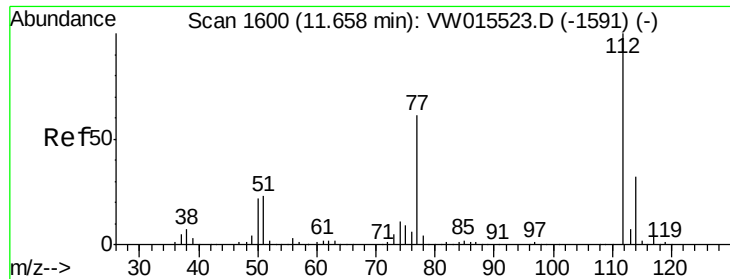
Delta R.T. -0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	164	Resp:	23886
Ion Ratio	Lower	Upper	
164	100		
166	123.0	109.0	163.6
129	91.7	81.0	121.4
131	88.0	74.8	112.2





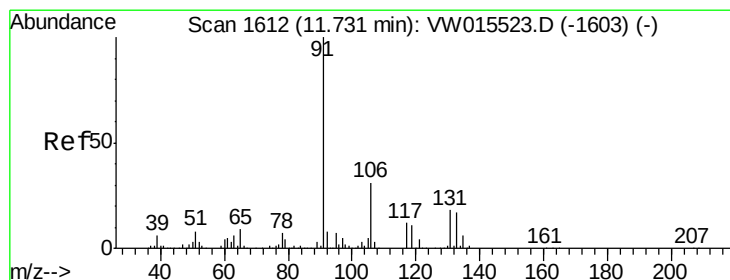
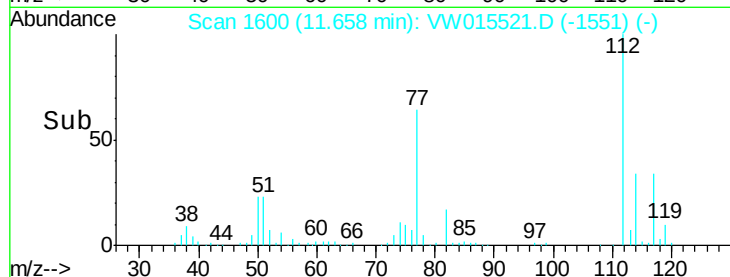
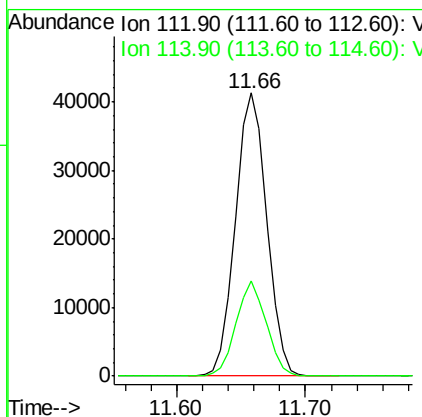
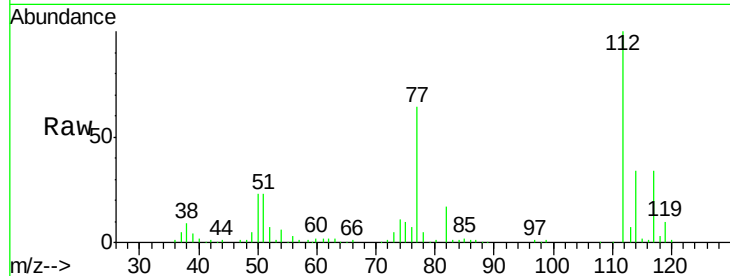
#65
Chlorobenzene
Concen: 10.442 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 69677
Ion Ratio Lower Upper
112 100
114 33.7 25.8 38.6

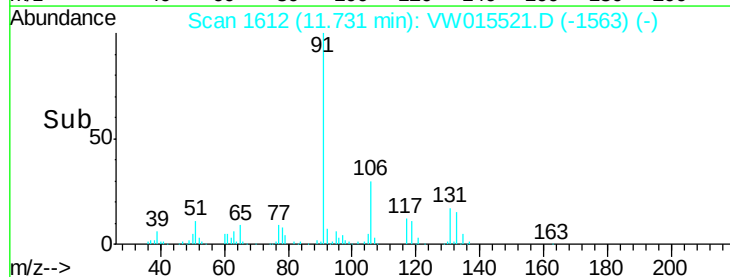
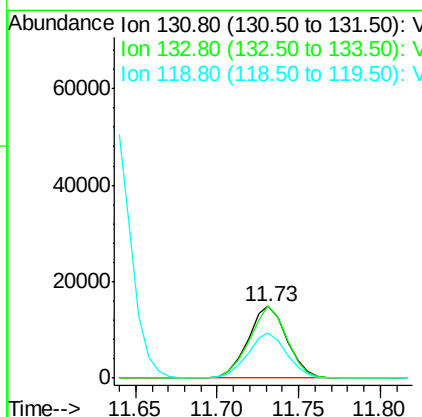
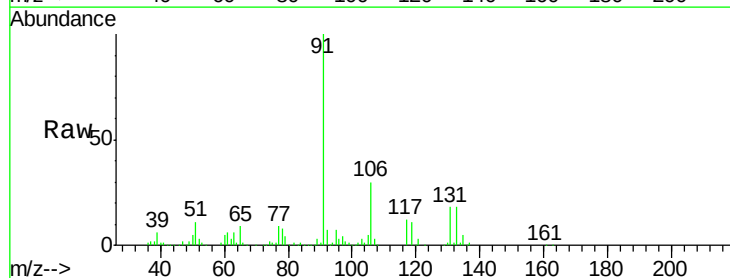
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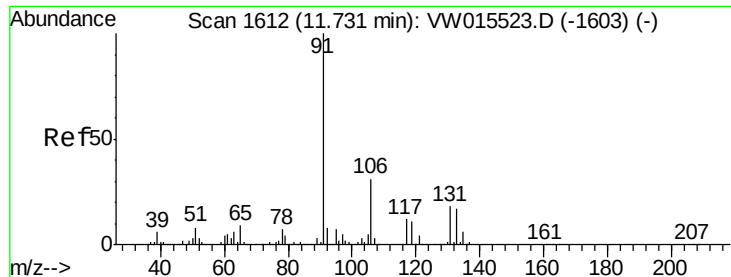
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.381 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion:131 Resp: 24611
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 63.3 32.5 97.5





#67

Ethyl Benzene

Concen: 10.338 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 131758

Ion Ratio Lower Upper

91 100

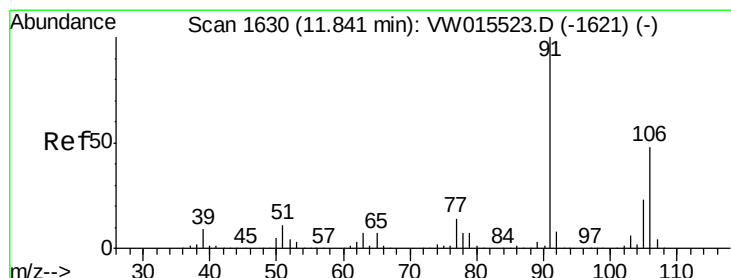
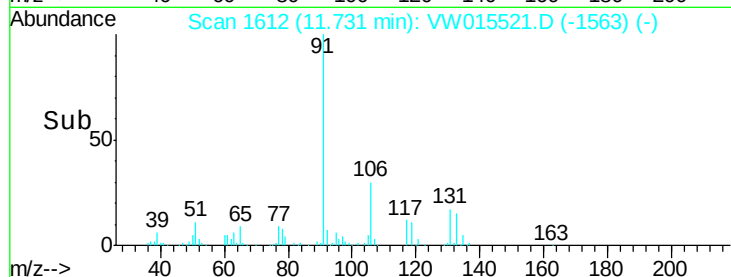
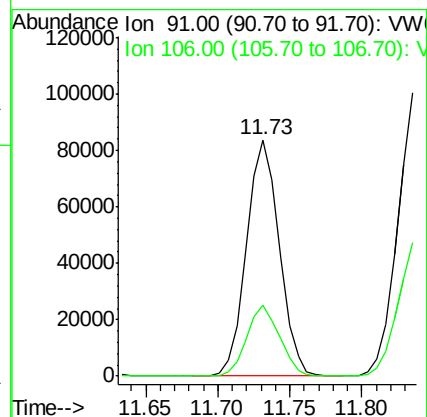
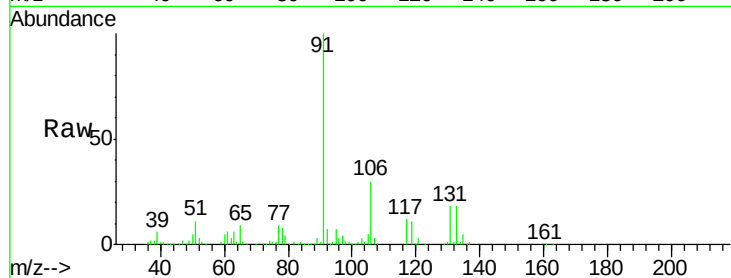
106 30.1 24.5 36.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 20.410 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015521.D

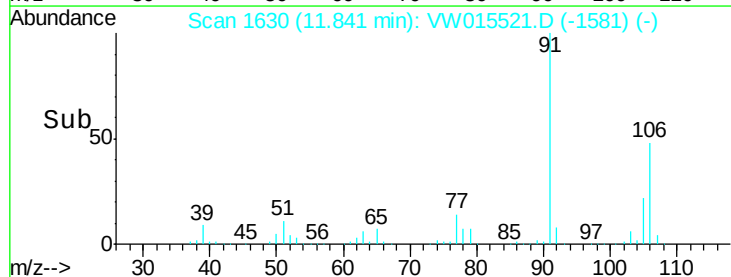
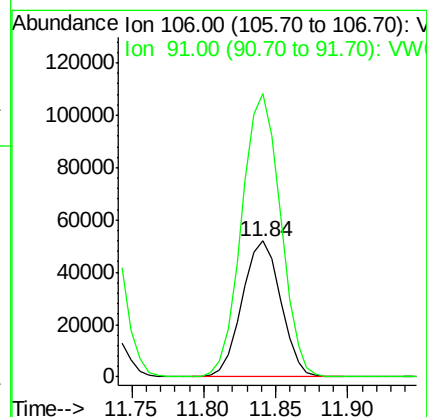
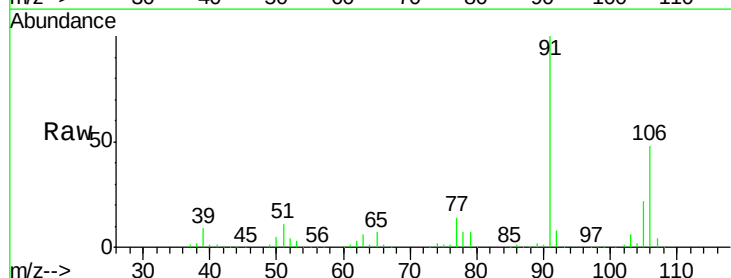
Acq: 02 Jun 2020 11:50

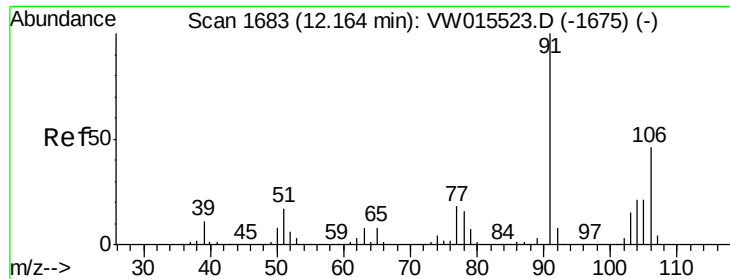
Tgt Ion: 106 Resp: 96842

Ion Ratio Lower Upper

106 100

91 209.5 163.5 245.3





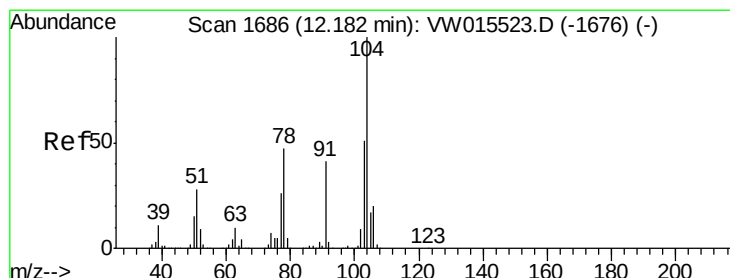
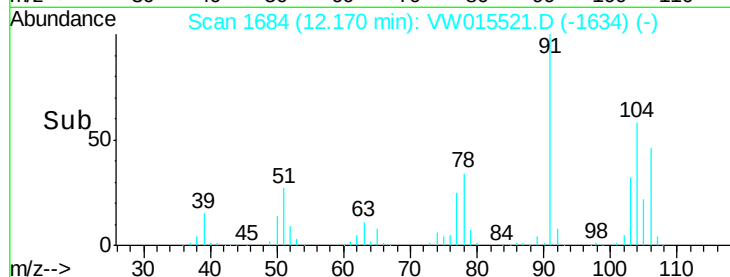
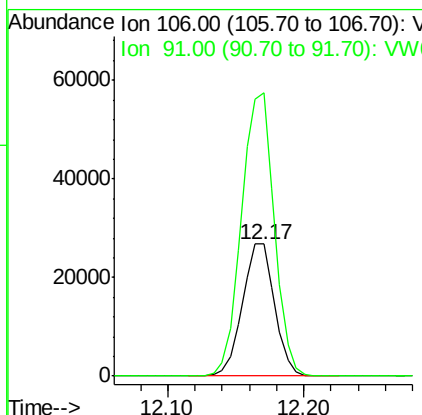
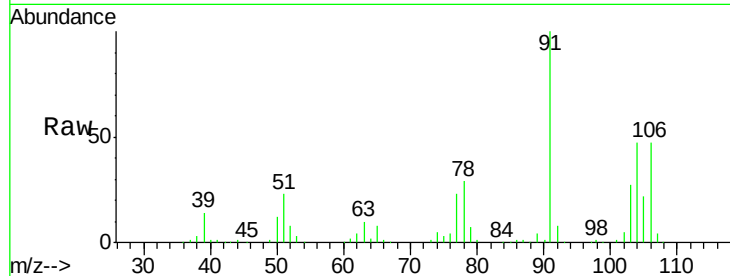
#69
o-Xylene
Concen: 9.997 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 44506
Ion Ratio Lower Upper
106 100
91 216.9 107.8 323.4

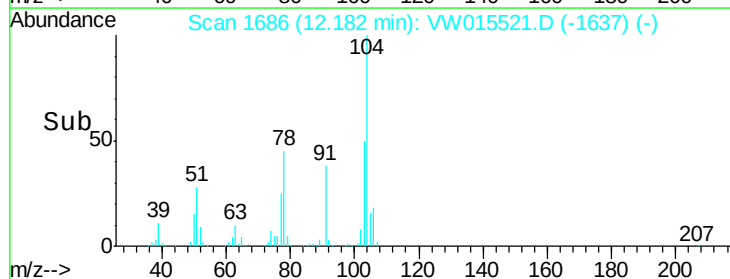
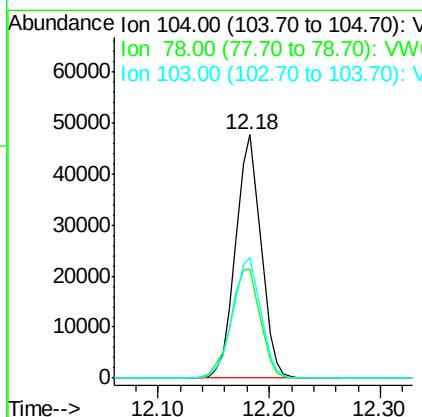
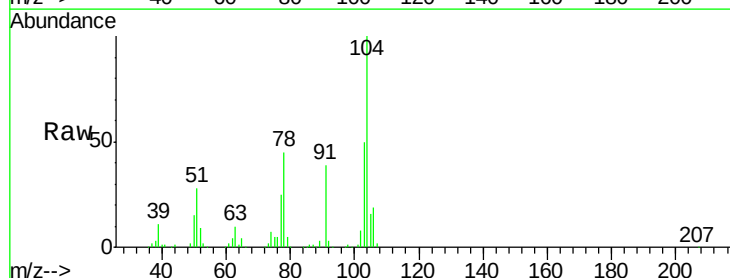
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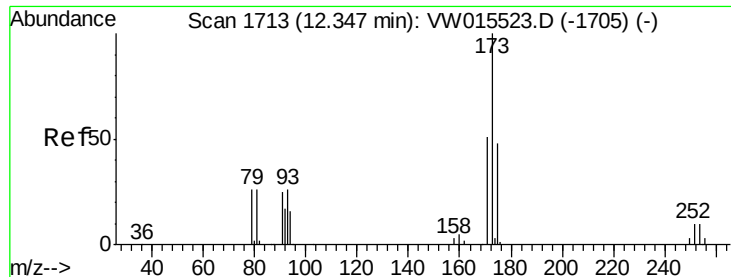
MMDadoda
6/2/2020 4:00:14 PM



#70
Styrene
Concen: 9.867 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion:104 Resp: 75626
Ion Ratio Lower Upper
104 100
78 51.7 41.7 62.5
103 54.6 43.8 65.8





#71

Bromoform

Concen: 9.650 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 11204

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

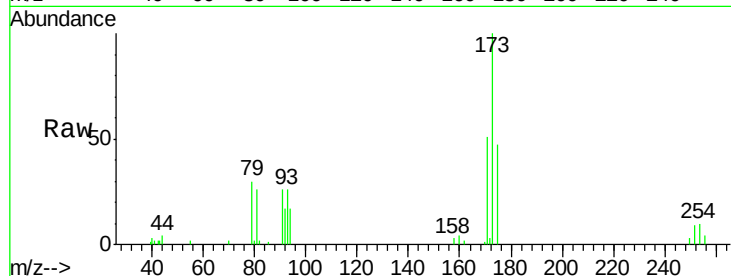
254 0.0 0.0 0.0

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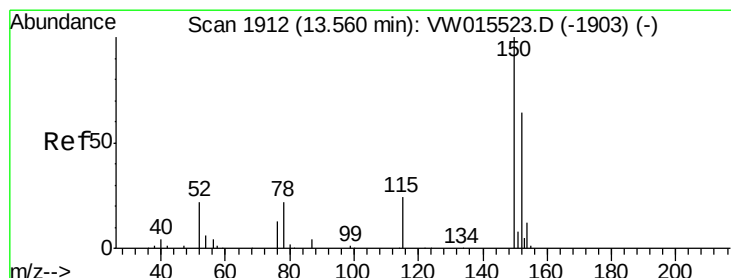
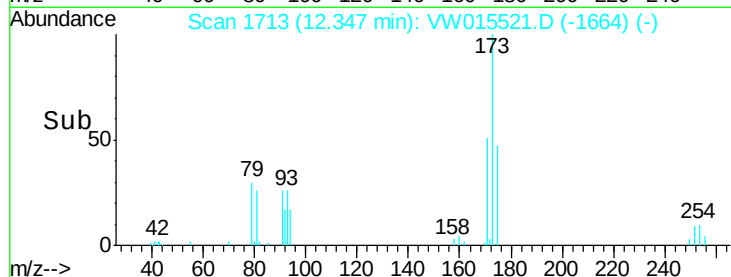
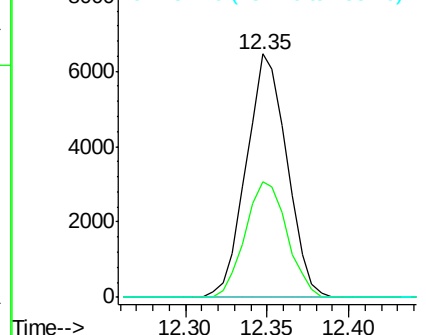
6/2/2020 4:00:14 PM



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: VW015521.D

Acq: 02 Jun 2020 11:50

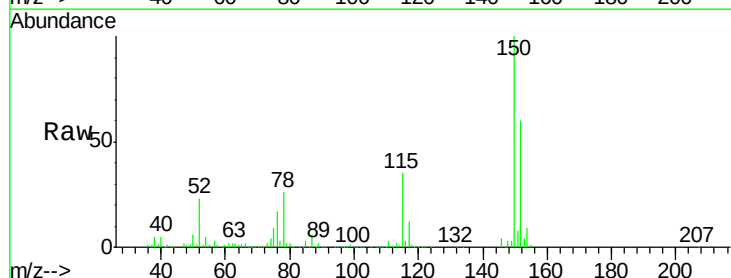
Tgt Ion:152 Resp: 161073

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

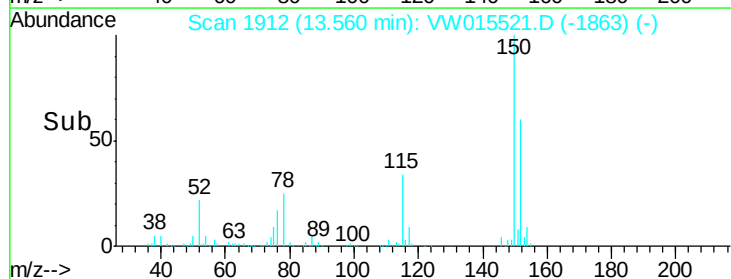
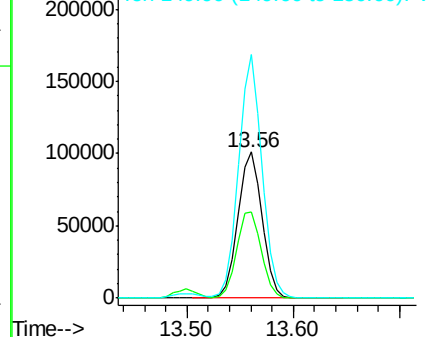
150 161.4 0.0 351.0

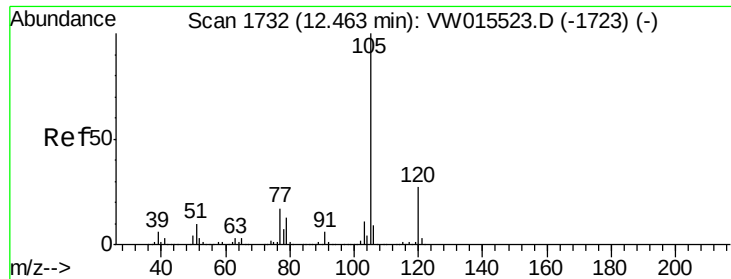


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





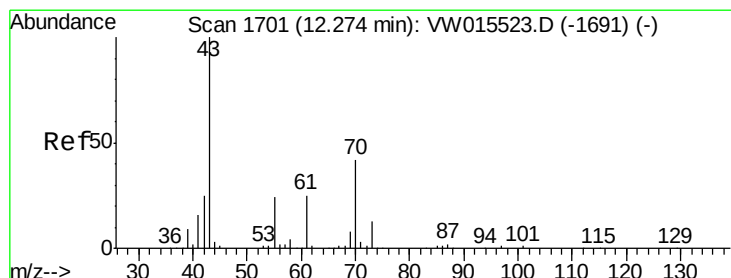
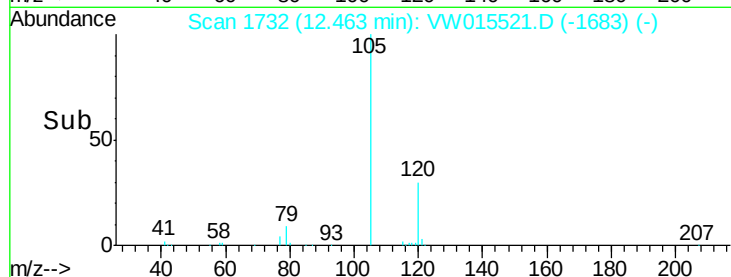
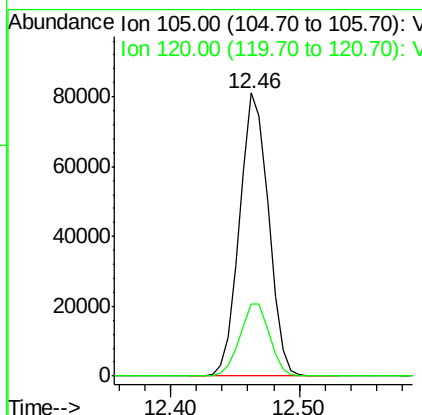
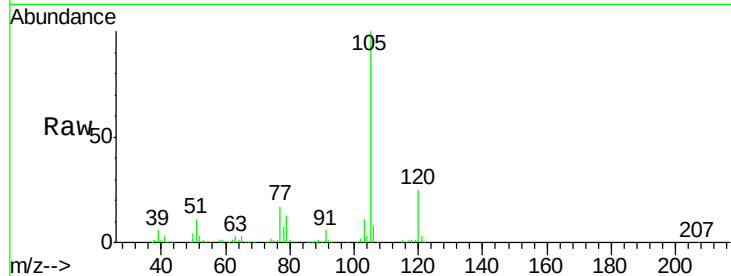
#73
Isopropylbenzene
Concen: 10.340 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	126016		
120	26.1	13.0	38.9	

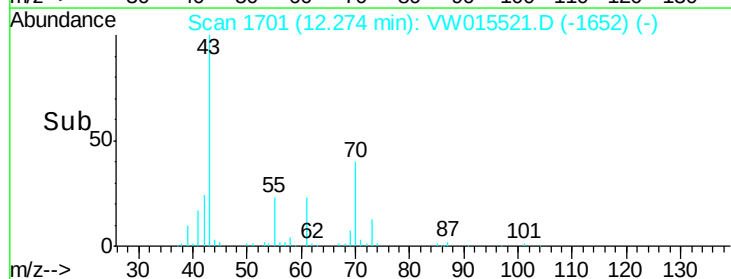
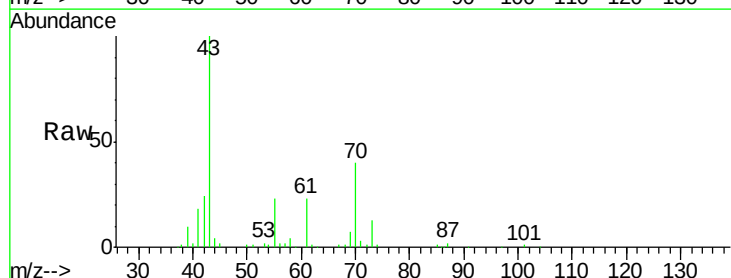
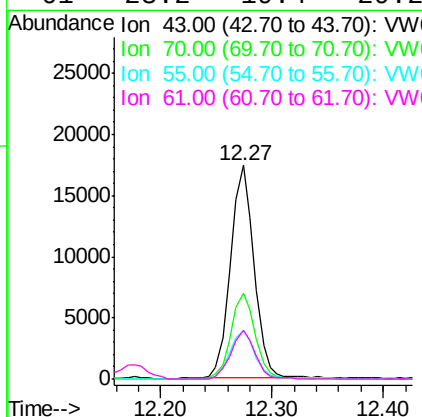
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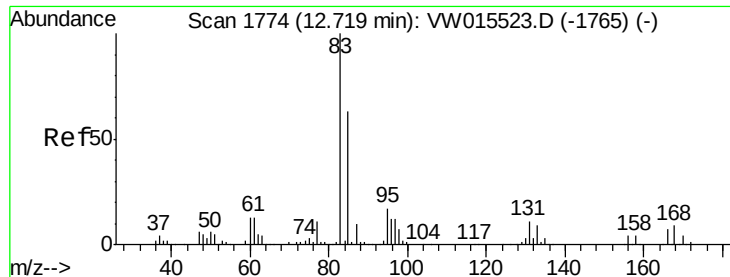
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6/2/2020 4:00:14 PM



#74
N-ethyl acetate
Concen: 8.869 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	25610		
70	41.5	33.6	50.4	
55	24.2	19.1	28.7	
61	23.2	19.4	29.2	





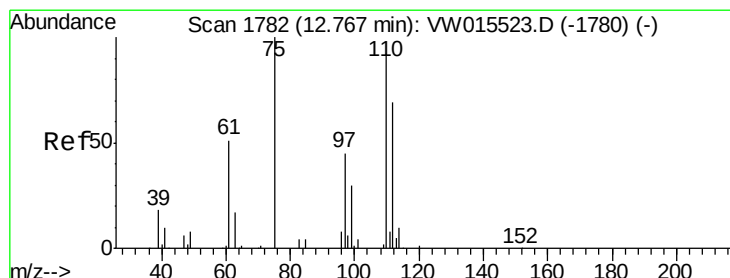
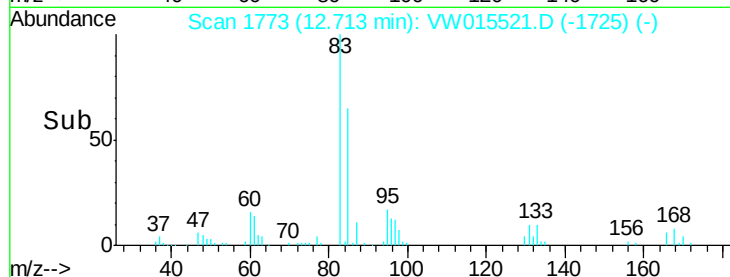
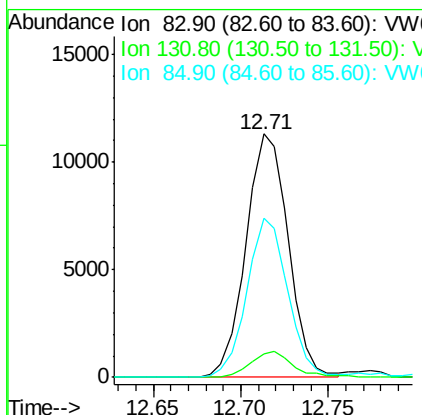
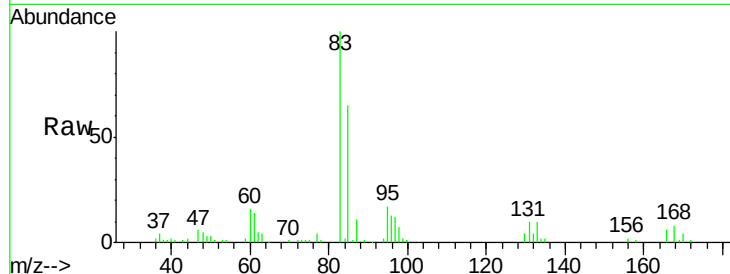
#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.876 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	83	Resp	19017
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.3	16.1
85	63.1	32.0	96.0

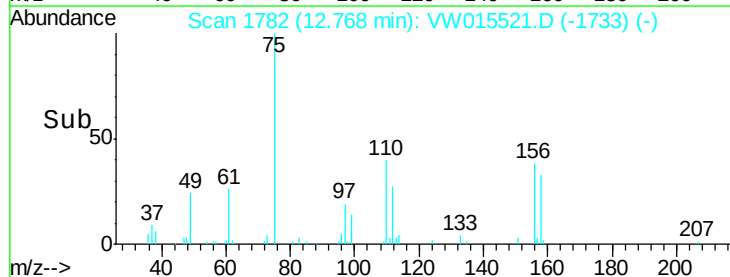
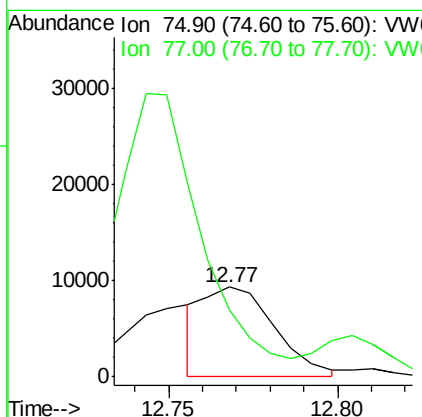
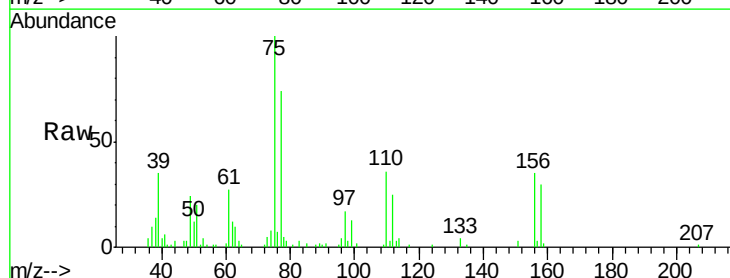
Manual Integrations
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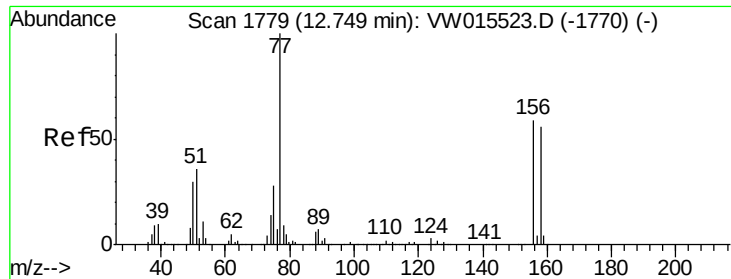
MMDadoda
 6/2/2020 4:00:14 PM



#76
 1,2,3-Trichloropropane
 Concen: 10.292 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	75	Resp	13649
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.456 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 27196

Ion Ratio Lower Upper

156 100

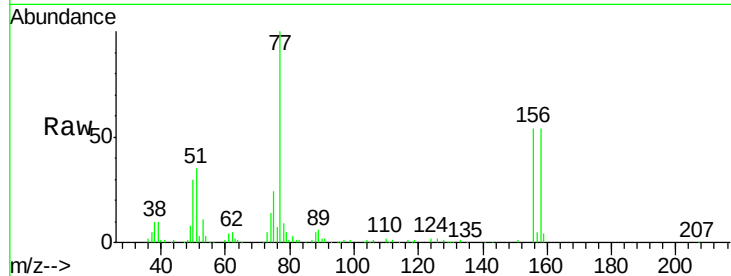
77 197.1 97.3 291.8

158 97.4 48.5 145.6

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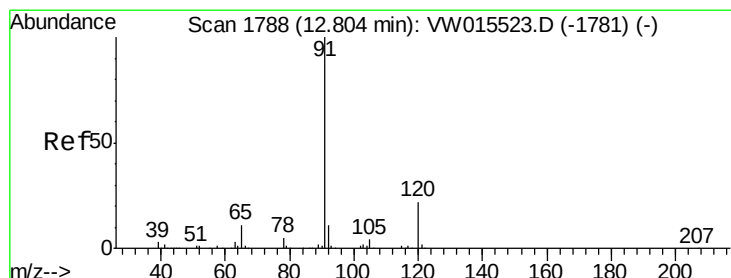
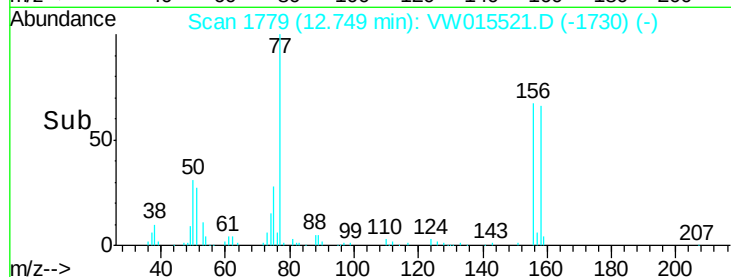
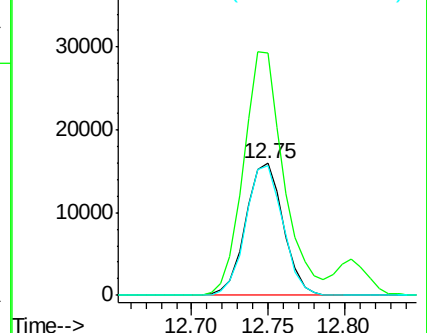
6/2/2020 4:00:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.304 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015521.D

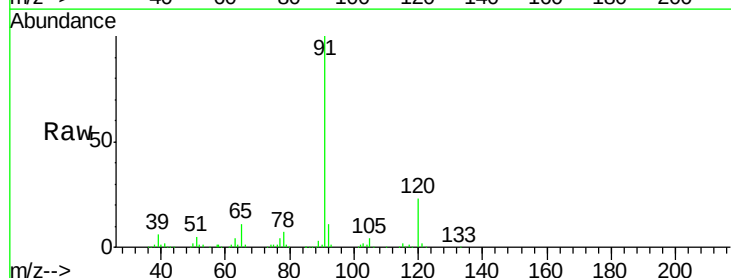
Acq: 02 Jun 2020 11:50

Tgt Ion: 91 Resp: 150461

Ion Ratio Lower Upper

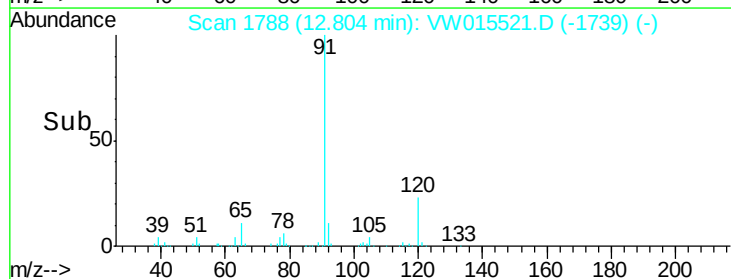
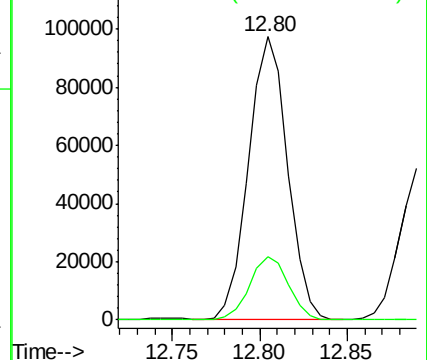
91 100

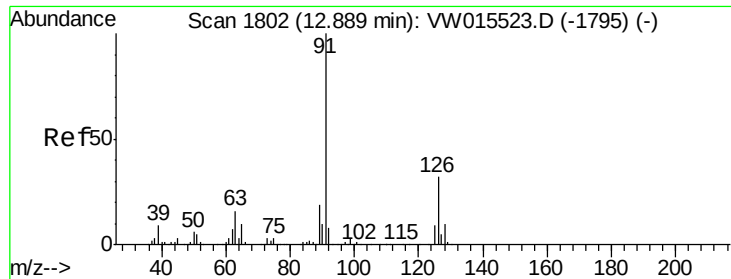
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





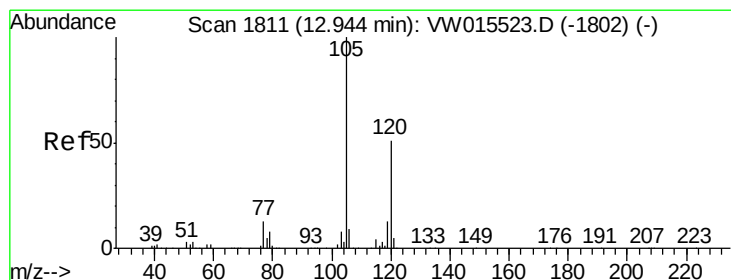
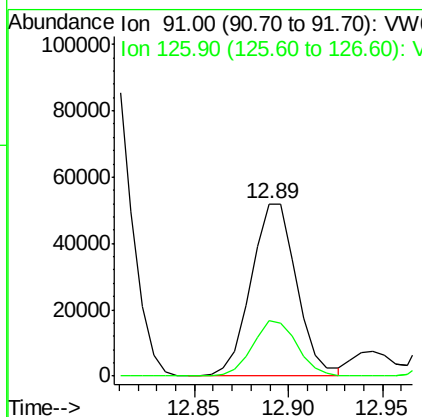
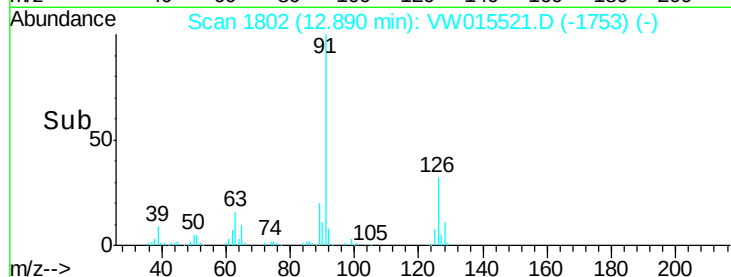
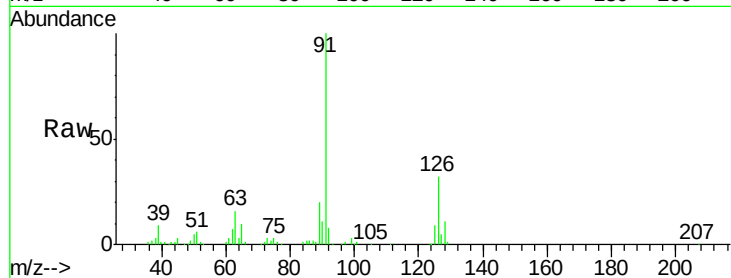
#79
2-Chlorotoluene
Concen: 10.569 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 87089
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.5

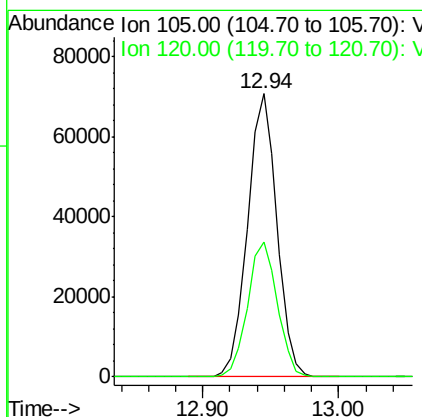
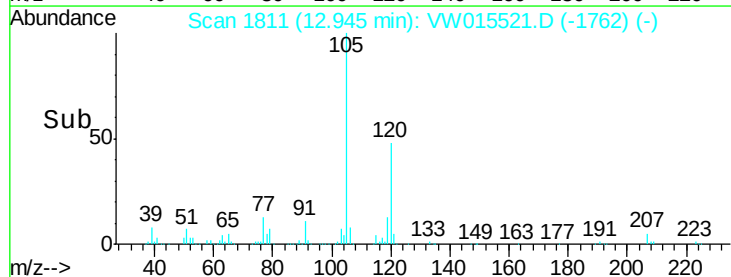
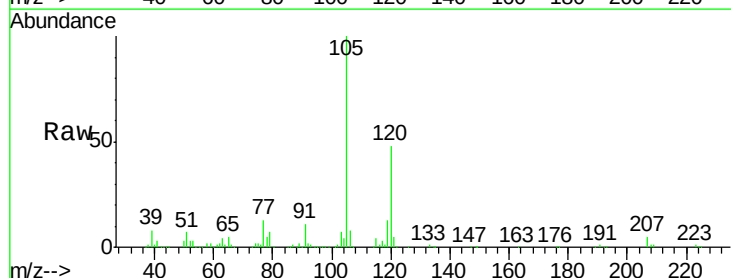
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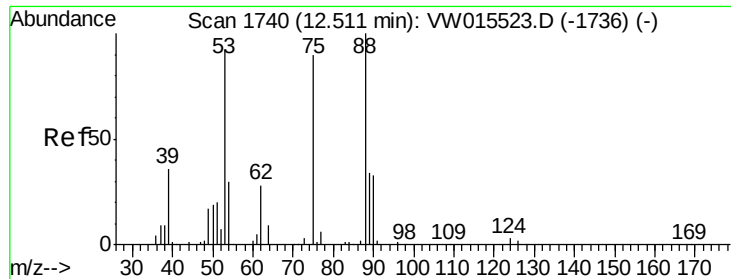
MMDadoda
6/2/2020 4:00:14 PM



#80
1,3,5-Trimethylbenzene
Concen: 10.445 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion: 105 Resp: 106945
Ion Ratio Lower Upper
105 100
120 48.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 8.716 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

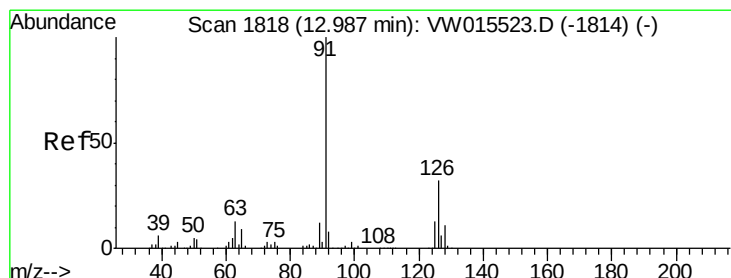
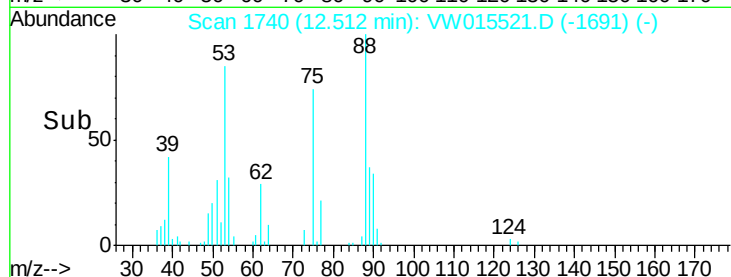
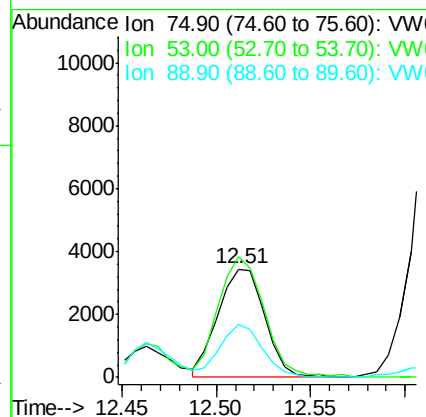
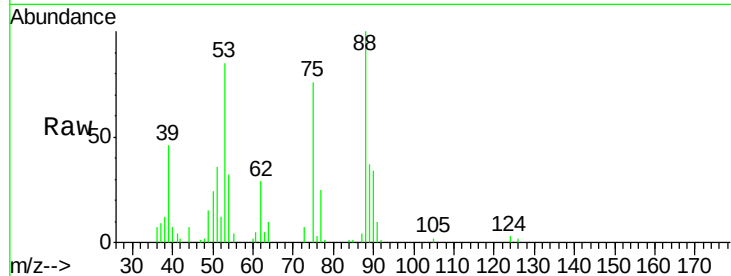
ClientSampled :

VSTDIC010

Tot Ion:	75	Resp:	5946
Ion	Ratio	Lower	Upper
75	100		
53	110.1	84.0	126.0
89	44.5	36.6	55.0

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#82

4-Chlorotoluene

Concen: 10.186 ug/l

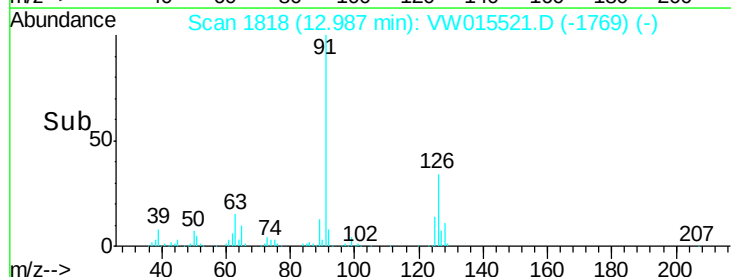
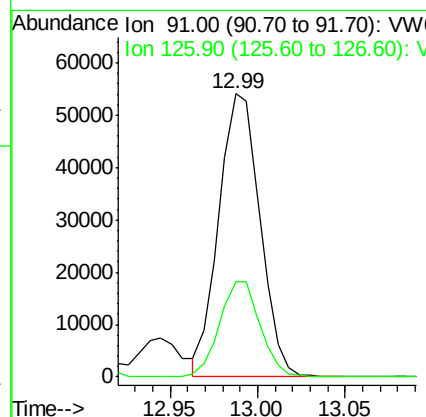
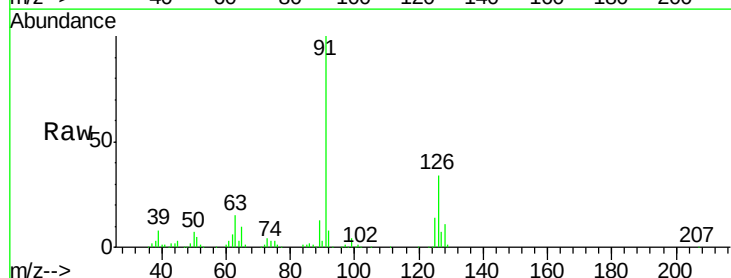
RT: 12.99 min Scan# 1818

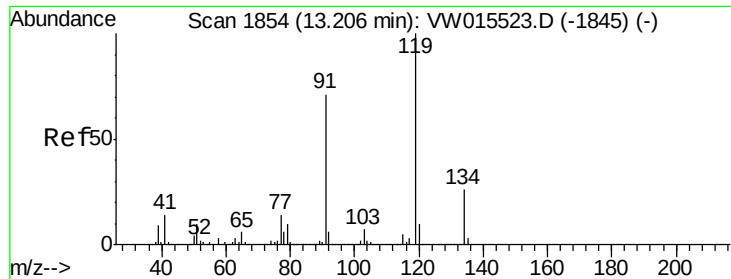
Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	91	Resp:	88650
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.4





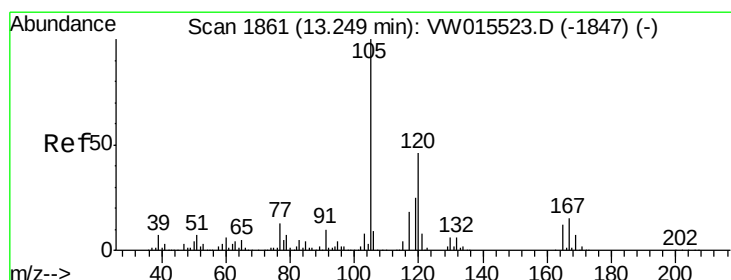
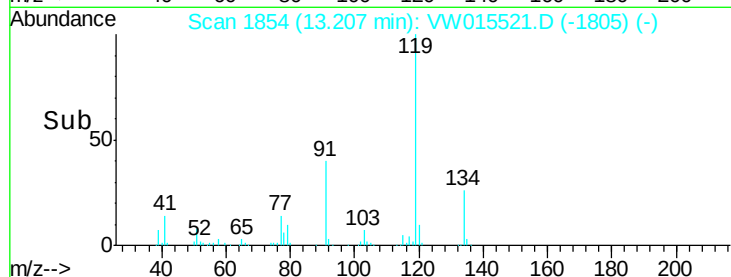
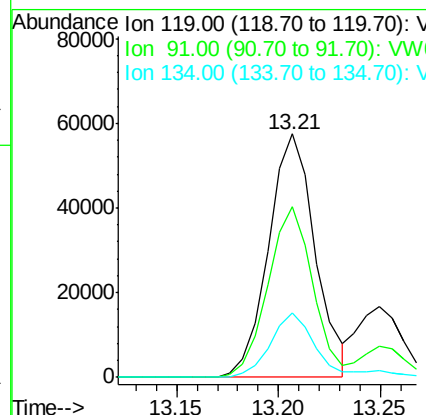
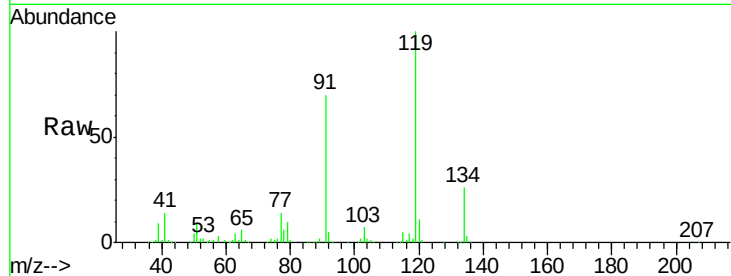
#83
tert-Butylbenzene
Concen: 10.488 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	24.8	12.7	38.1

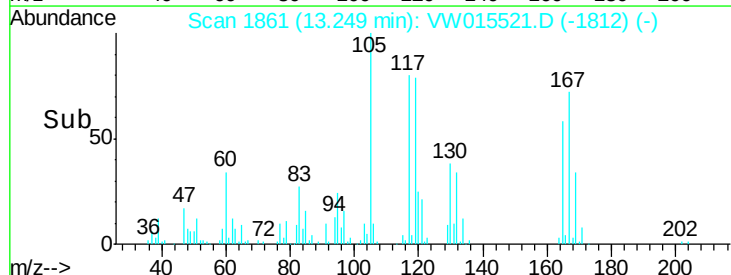
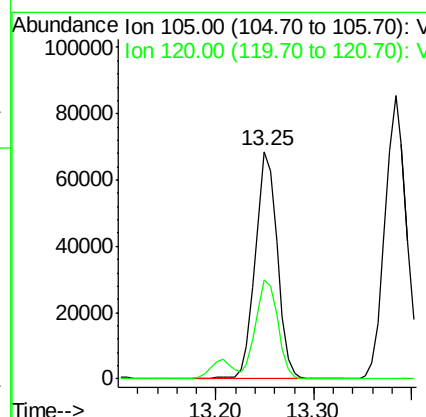
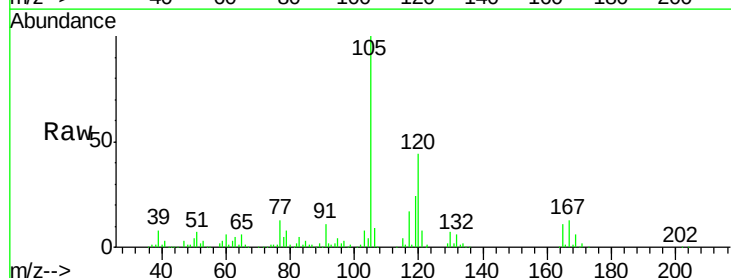
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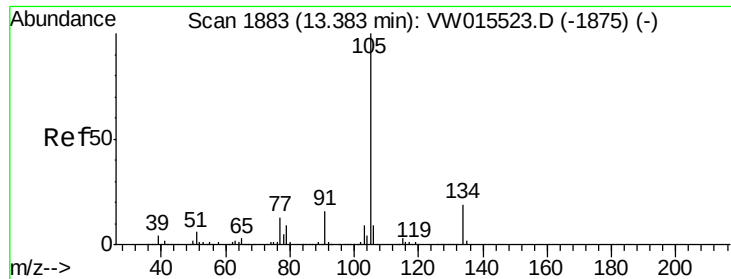
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#84
1,2,4-Trimethylbenzene
Concen: 10.443 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.6	67.8





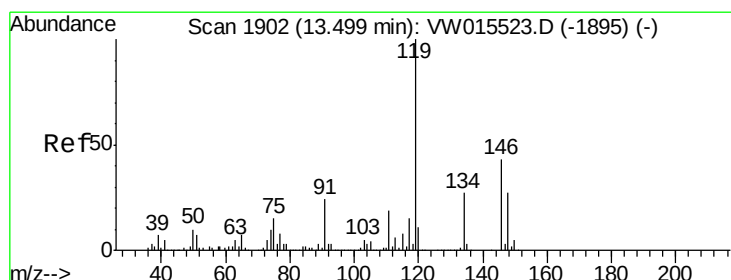
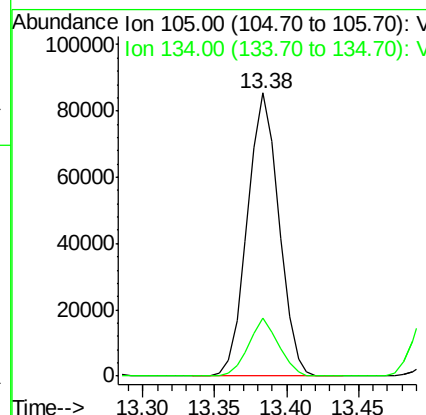
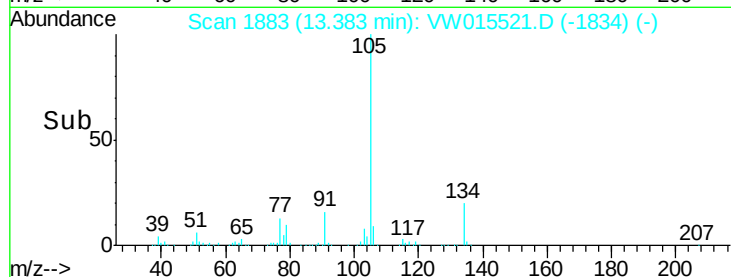
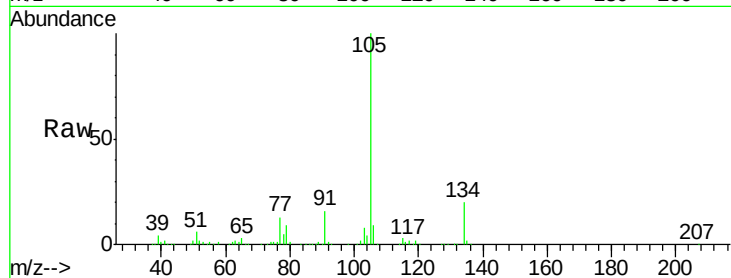
#85
 sec-Butylbenzene
 Concen: 10.532 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	10.0	30.0

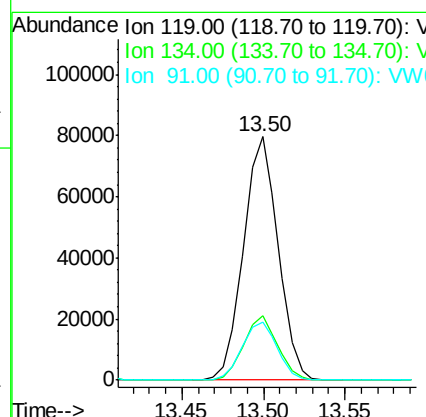
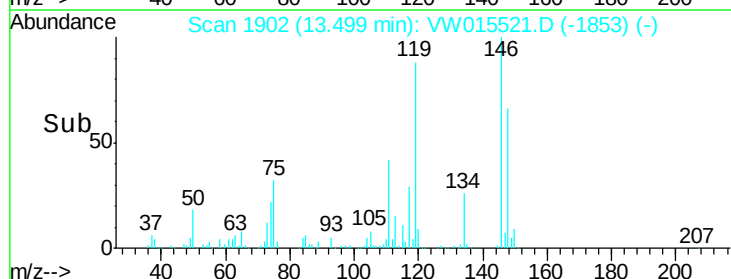
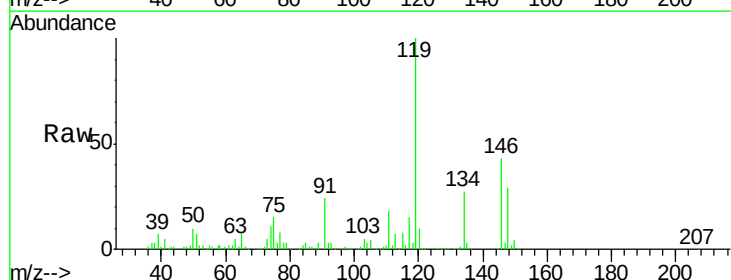
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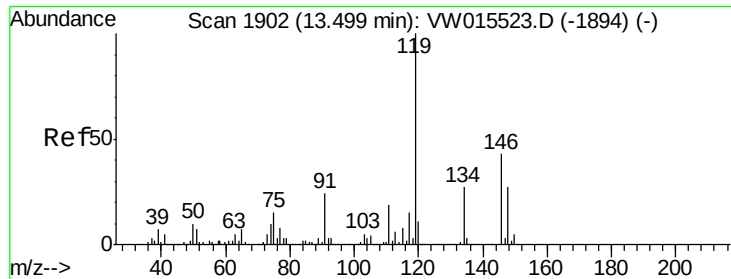
MMDadoda
 6/2/2020 4:00:14 PM



#86
 p-Isopropyltoluene
 Concen: 10.512 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.2	39.5
91	24.1	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 10.625 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

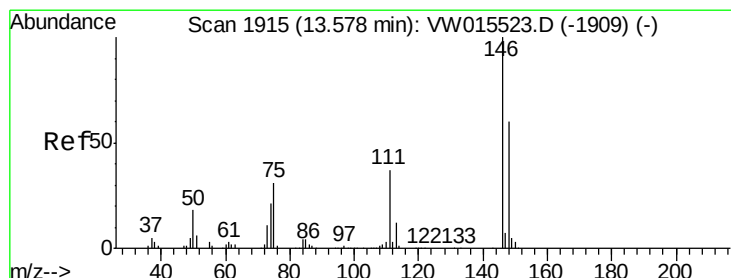
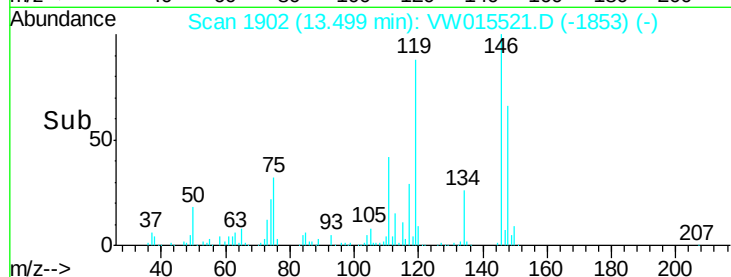
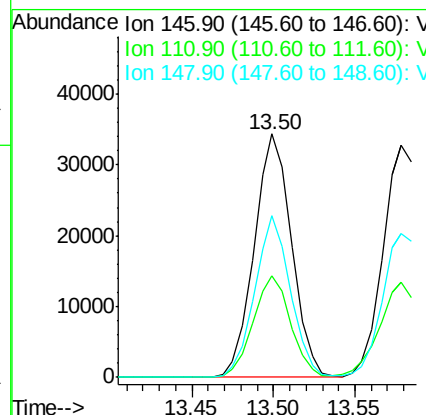
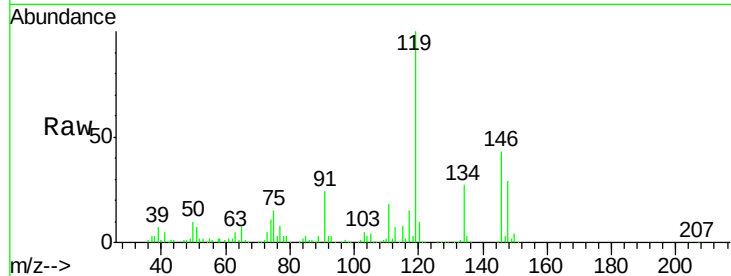
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.4	31.2	93.6

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6/2/2020 4:00:14 PM



#88

1,4-Dichlorobenzene

Concen: 10.626 ug/l

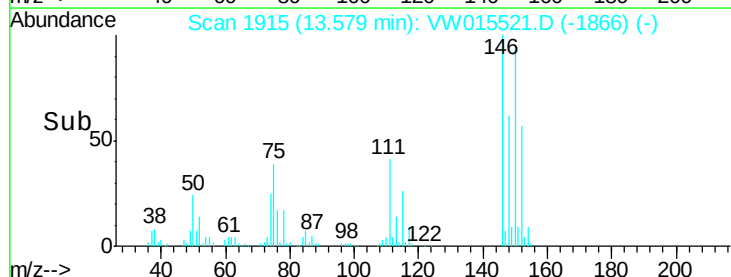
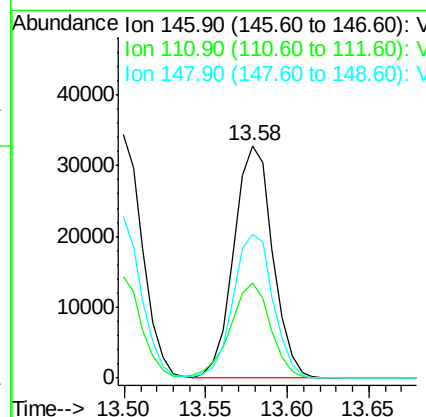
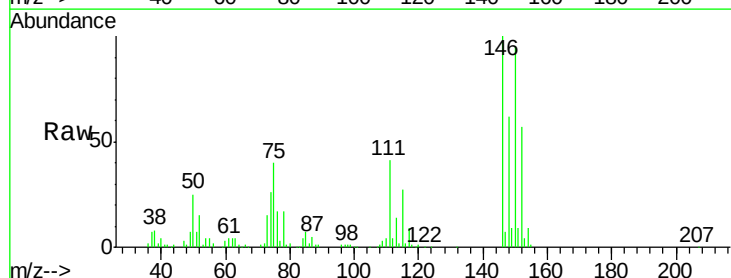
RT: 13.58 min Scan# 1915

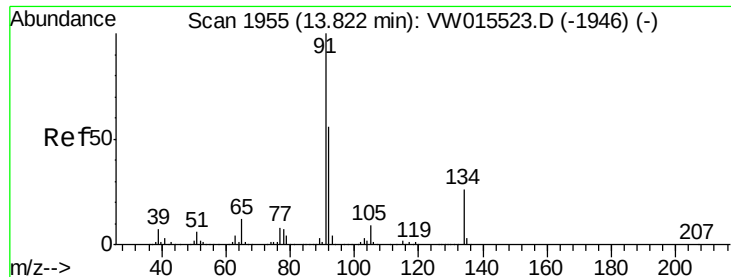
Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.6	58.7
148	64.0	30.9	92.7





#89

n-Butylbenzene

Concen: 10.345 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Instrument :

MSVOA_W

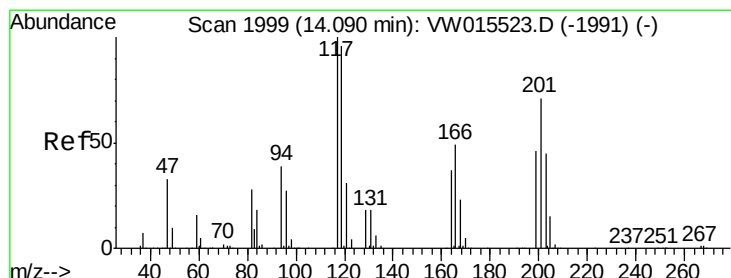
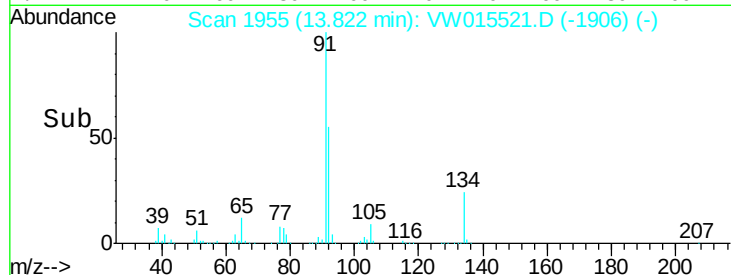
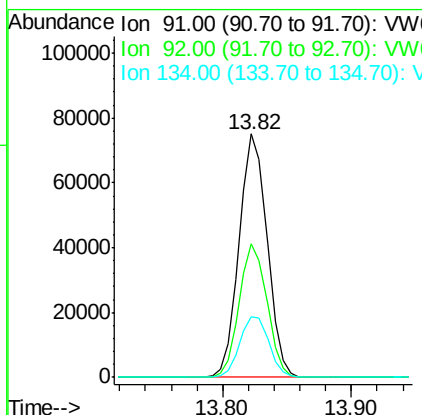
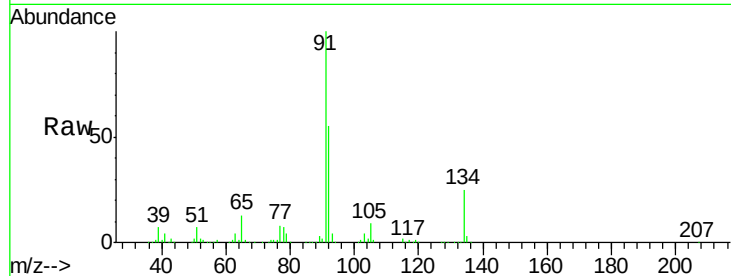
ClientSampleId :

VSTDIC010

Tot Ion:	91	Resp:	113085
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.8	13.1	39.1

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#90

Hexachloroethane

Concen: 10.223 ug/l

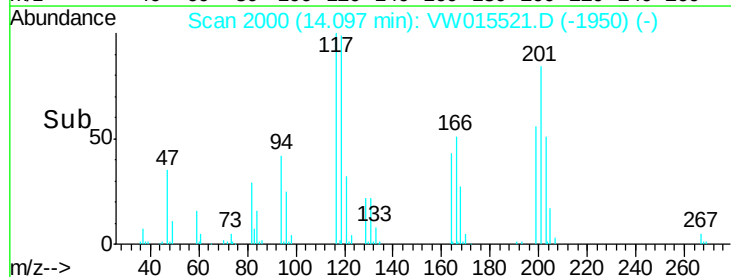
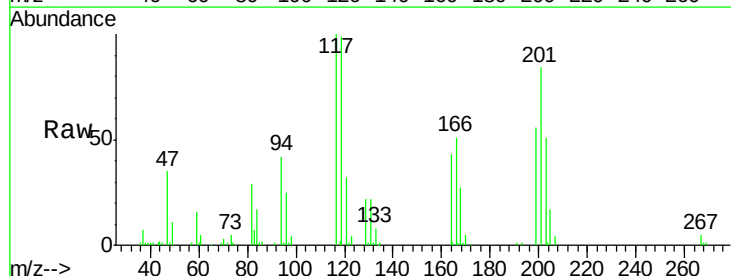
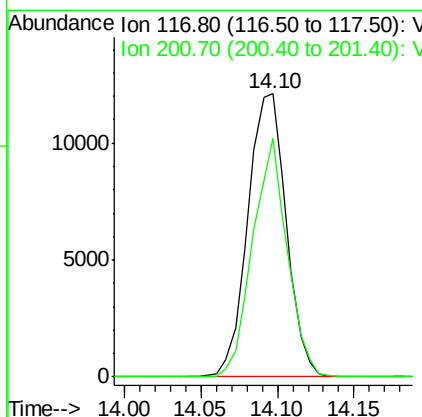
RT: 14.10 min Scan# 2000

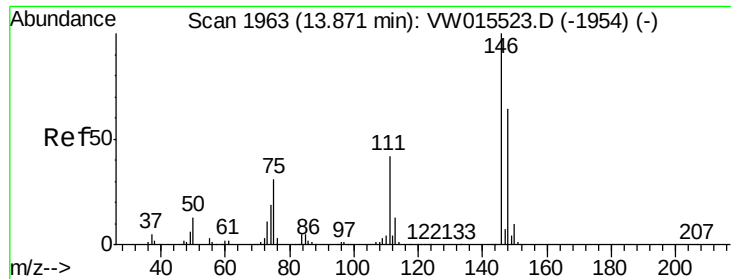
Delta R.T. 0.01 min

Lab File: VW015521.D

Acq: 02 Jun 2020 11:50

Tgt Ion:	117	Resp:	21189
Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.5	115.3





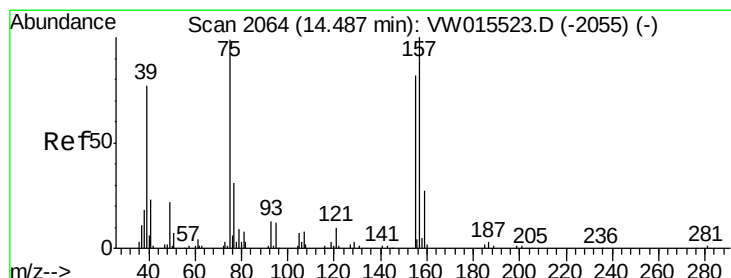
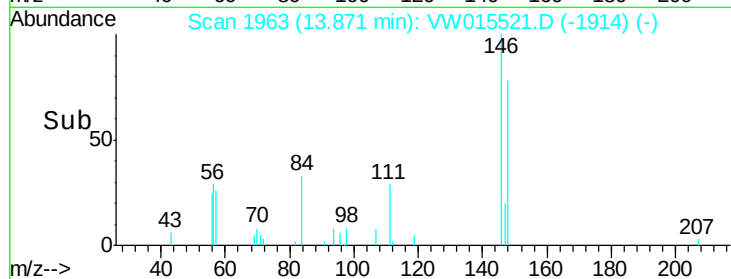
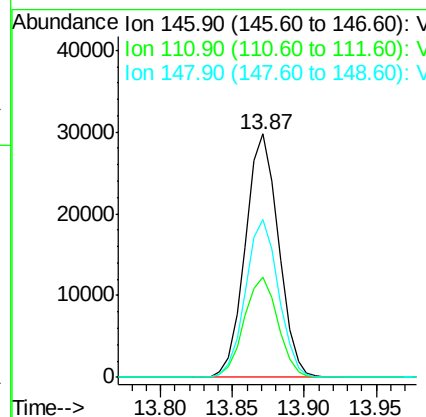
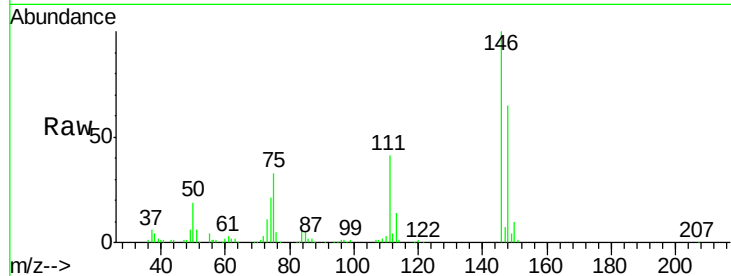
#91
 1,2-Dichlorobenzene
 Concen: 10.570 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.3	32.1	96.5

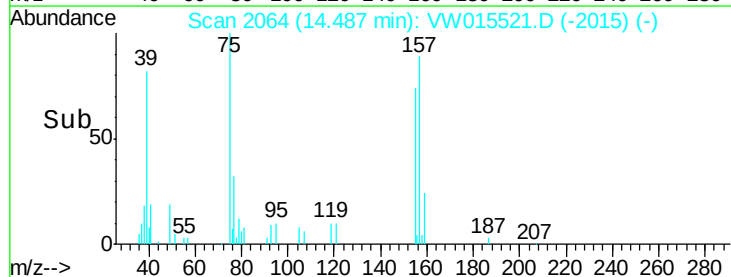
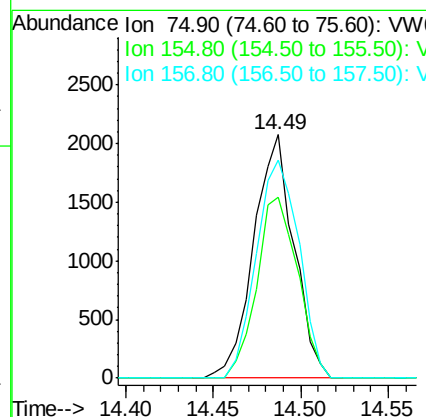
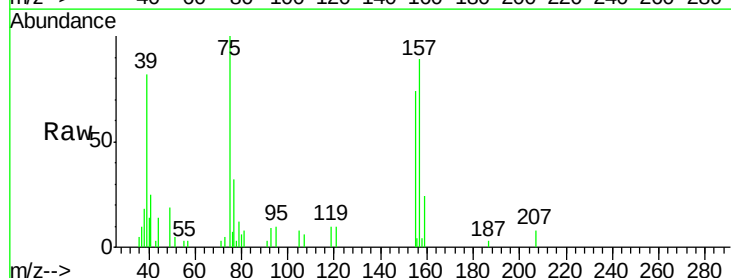
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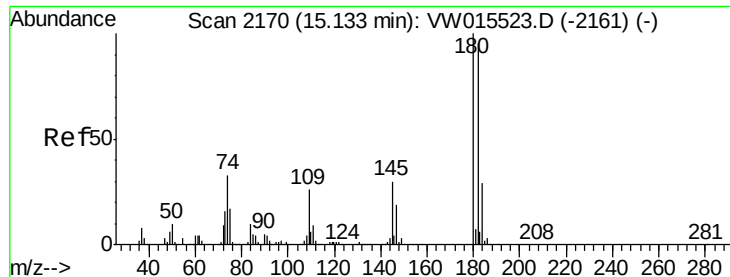
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.845 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	40.4	121.1
157	95.2	50.5	151.6





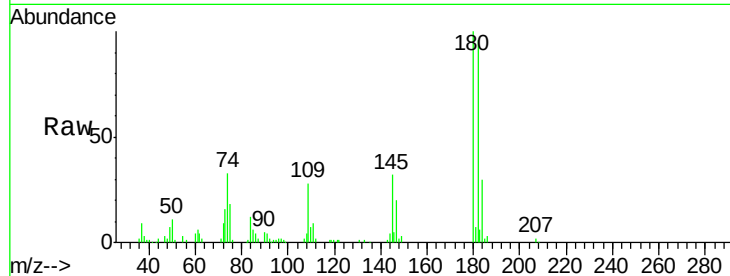
#93
 1,2,4-Trichlorobenzene
 Concen: 10.287 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

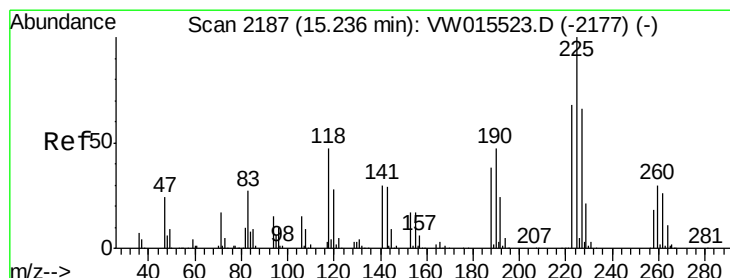
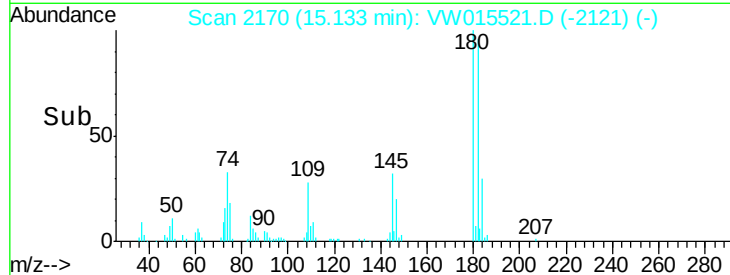
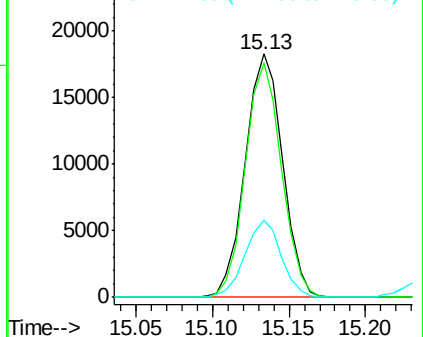
Tot Ion	Ratio	Resp	Lower	Upper
180	100	31054		
182	93.2	47.7	143.1	
145	30.6	15.4	46.2	

Manual Integrations
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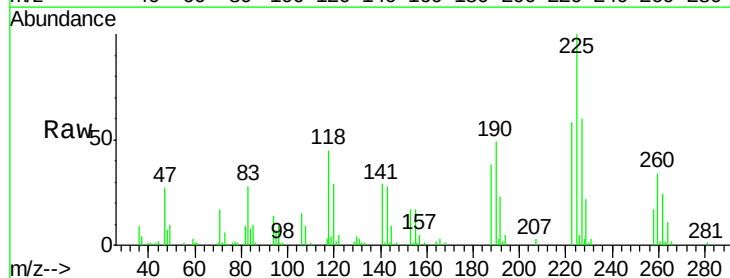


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

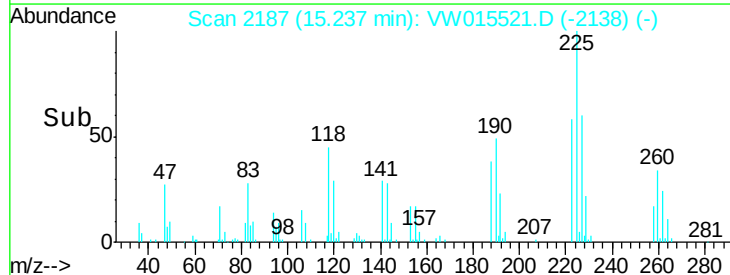
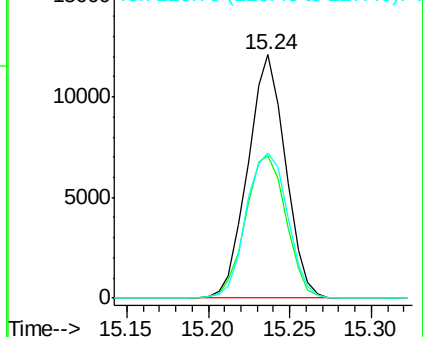


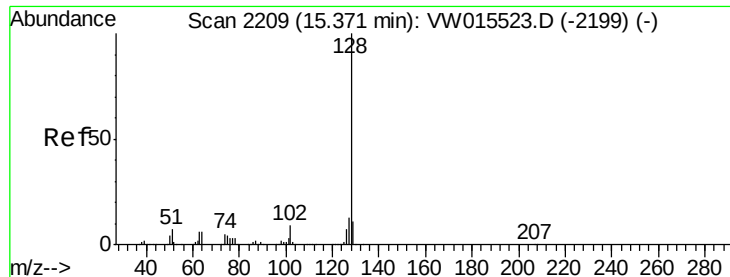
#94
 Hexachlorobutadiene
 Concen: 10.904 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015521.D
 Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19493		
223	63.0	31.8	95.4	
227	65.5	32.6	97.8	



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





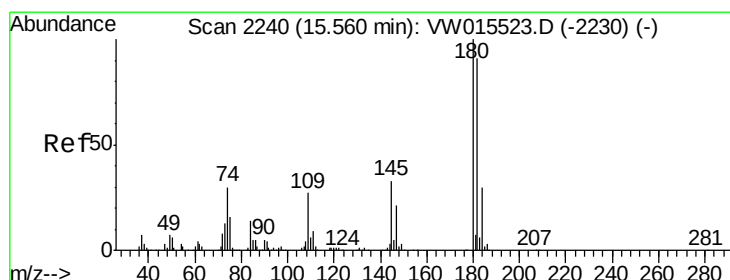
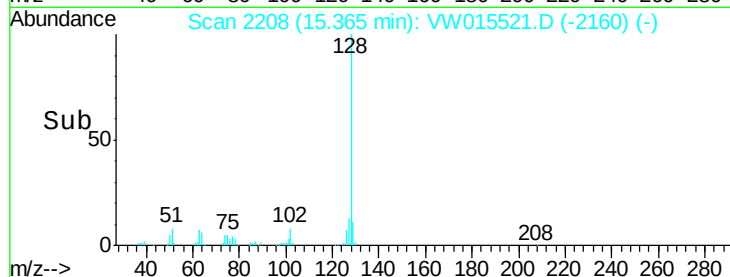
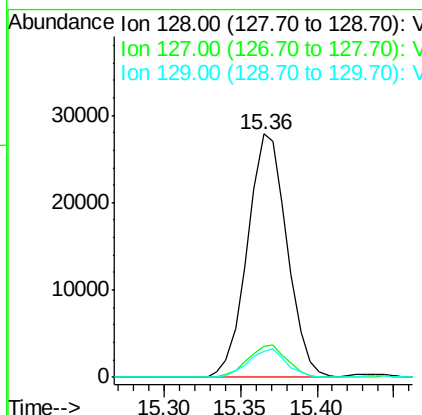
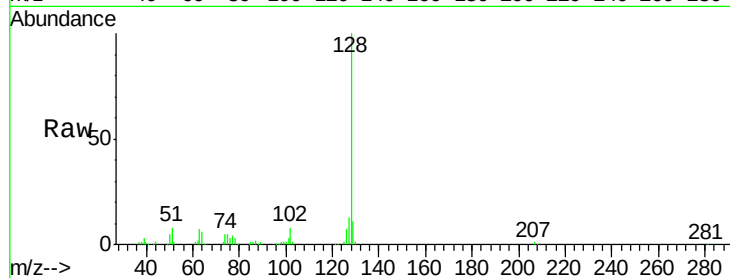
#95
Naphthalene
Concen: 9.245 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/2/2020 4:00:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.112 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015521.D
Acq: 02 Jun 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	31.8	16.3	48.8

