

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015400.D
 Acq On : 05 May 2020 17:28
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:59 PM

Quant Time: May 05 18:38:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122079	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	
35) Dibromofluoromethane	7.88	113	106474	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	444849	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.62	95	165712	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	65740	39.047	ug/l	100
3) Chloromethane	2.21	50	75517	40.861	ug/l	100
4) Vinyl Chloride	2.37	62	122382	53.416	ug/l	100
5) Bromomethane	2.78	94	86620	53.064	ug/l	100
6) Chloroethane	2.93	64	80726	55.851	ug/l	100
7) Trichlorofluoromethane	3.26	101	91062	30.431	ug/l	100
8) Diethyl Ether	3.68	74	52888	56.840	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101936	50.884	ug/l	100
10) Methyl Iodide	4.26	142	153892	69.524	ug/l	100
11) Tert butyl alcohol	5.17	59	33698	224.655	ug/l	100
12) 1,1-Dichloroethene	4.04	96	105733	54.141	ug/l	100
13) Acrolein	3.89	56	45109	469.822	ug/l	100
14) Allyl chloride	4.67	41	183810	67.406	ug/l	100
15) Acrylonitrile	5.36	53	113305	312.246	ug/l	100
16) Acetone	4.12	43	91876	280.330	ug/l	100
17) Carbon Disulfide	4.38	76	328107	56.481	ug/l	100
18) Methyl Acetate	4.67	43	47819	54.729	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	169759	40.181	ug/l	100
20) Methylene Chloride	4.92	84	111051	52.237	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	120571	54.557	ug/l	100
22) Diisopropyl ether	6.31	45	363451	69.084	ug/l	100
23) Vinyl Acetate	6.26	43	1106226	355.073	ug/l	100
24) 1,1-Dichloroethane	6.21	63	218513	61.767	ug/l	100
25) 2-Butanone	7.17	43	144767	320.667	ug/l	100
26) 2,2-Dichloropropane	7.17	77	142456	41.293	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	131146	54.861	ug/l	100
28) Bromochloromethane	7.51	49	87397	67.008	ug/l	100
29) Tetrahydrofuran	7.53	42	96831	339.180	ug/l	100
30) Chloroform	7.68	83	216903	57.769	ug/l	100
31) Cyclohexane	7.95	56	213908	60.007	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	186271	52.378	ug/l	100
36) 1,1-Dichloropropene	8.08	75	181713	53.631	ug/l	100
37) Ethyl Acetate	7.25	43	71256	62.273	ug/l	100
38) Carbon Tetrachloride	8.07	117	171293	47.309	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	227529	50.886	ug/l	100
40) Benzene	8.32	78	486004	53.742	ug/l	100
41) Methacrylonitrile	7.48	41	41033	59.513	ug/l	100
42) 1,2-Dichloroethane	8.40	62	148447	55.198	ug/l	100
43) Isopropyl Acetate	8.42	43	143331	60.274	ug/l	100
44) Trichloroethene	9.09	130	127733	47.322	ug/l	100
45) 1,2-Dichloropropane	9.37	63	119765	56.234	ug/l	100
46) Dibromomethane	9.46	93	59495	49.444	ug/l	100
47) Bromodichloromethane	9.65	83	164702	51.011	ug/l	100
48) Methyl methacrylate	9.43	41	68462	61.194	ug/l	100
49) 1,4-Dioxane	9.45	88	16032	1009.426	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	342765	305.869	ug/l	100
52) Toluene	10.39	92	319855	51.095	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	168812	52.827	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	198539	53.299	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	83896	49.777	ug/l	100
56) Ethyl methacrylate	10.65	69	117552	53.490	ug/l	100
57) 1,3-Dichloropropane	10.93	76	151515	53.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	290361	283.922	ug/l	100
59) 2-Hexanone	10.97	43	234011	295.652	ug/l	100
60) Dibromochloromethane	11.13	129	102681	46.814	ug/l	100
61) 1,2-Dibromoethane	11.23	107	81190	49.565	ug/l	100
64) Tetrachloroethene	10.86	164	102255	43.842	ug/l	100
65) Chlorobenzene	11.66	112	326556	49.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	115807	49.317	ug/l	100
67) Ethyl Benzene	11.73	91	623312	50.873	ug/l	100
68) m/p-Xylenes	11.83	106	467409	98.344	ug/l	100
69) o-Xylene	12.16	106	222209	49.911	ug/l	100
70) Styrene	12.18	104	383952	50.515	ug/l	100
71) Bromoform	12.35	173	58885	45.211	ug/l #	100
73) Isopropylbenzene	12.46	105	620301	52.017	ug/l	100
74) N-amyl acetate	12.27	43	143390	65.487	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	96787	55.922	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	79022m	57.973	ug/l	
77) Bromobenzene	12.74	156	130982	48.731	ug/l	100
78) n-propylbenzene	12.80	91	748333	53.681	ug/l	100
79) 2-Chlorotoluene	12.89	91	423465	53.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	530131	51.828	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34636	56.127	ug/l	100
82) 4-Chlorotoluene	12.99	91	448016	53.780	ug/l	100
83) tert-Butylbenzene	13.21	119	451699	50.654	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	533784	52.757	ug/l	100
85) sec-Butylbenzene	13.38	105	643522	52.063	ug/l	100
86) p-Isopropyltoluene	13.50	119	589504	51.610	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	268715	50.011	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	264095	50.121	ug/l	100
89) n-Butylbenzene	13.82	91	582448	54.983	ug/l	100
90) Hexachloroethane	14.09	117	106401	50.695	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	225298	48.518	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16808	54.396	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153335	47.750	ug/l	100
94) Hexachlorobutadiene	15.24	225	91593	43.226	ug/l	100
95) Naphthalene	15.36	128	279327	53.060	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130550	49.643	ug/l	100

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

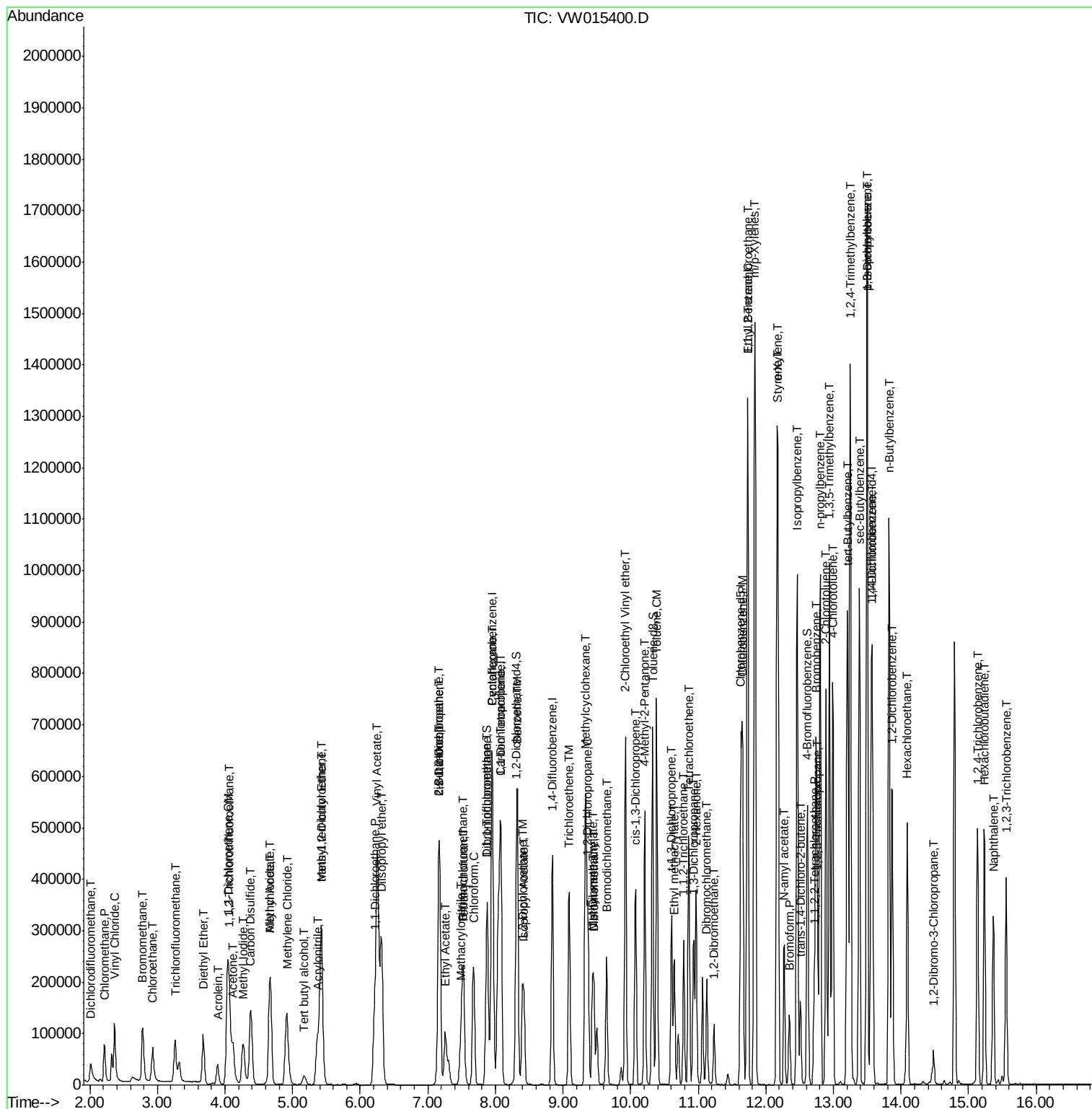
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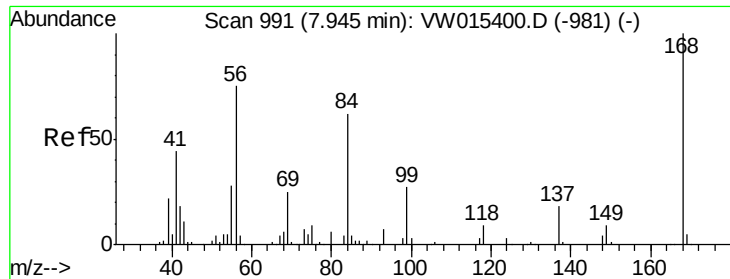
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 221582

Ion Ratio Lower Upper

168 100

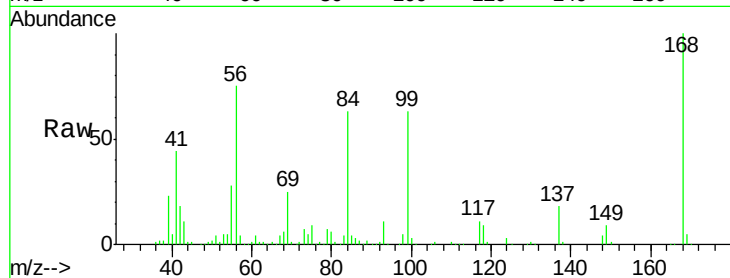
99 62.9 50.3 75.5

Manual Integrations

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5/6/2020 12:11:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

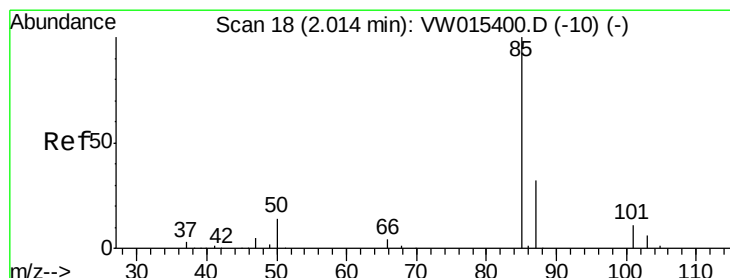
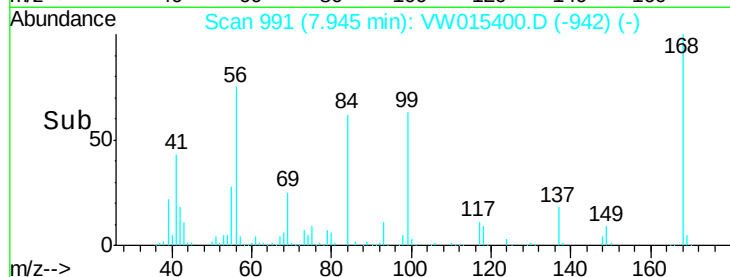
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 39.047 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015400.D

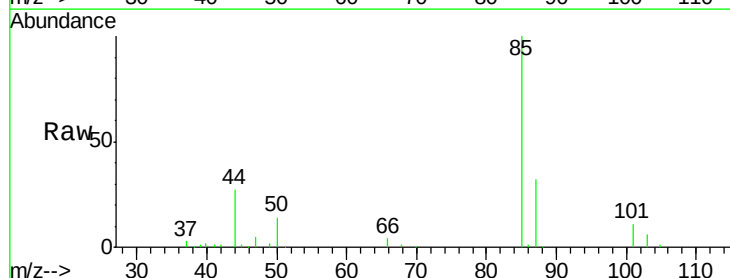
Acq: 05 May 2020 17:28

Tgt Ion: 85 Resp: 65740

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

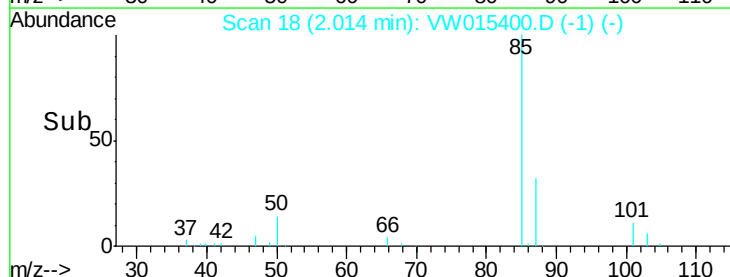
15000

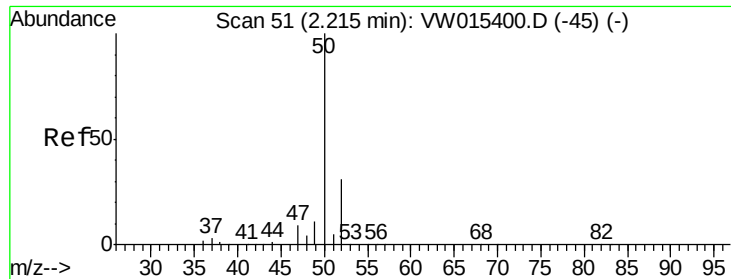
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 40.861 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 75517

Ion Ratio Lower Upper

50 100

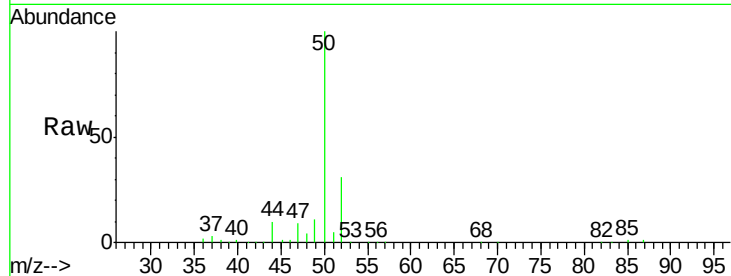
52 31.3 25.0 37.6

Manual Integrations

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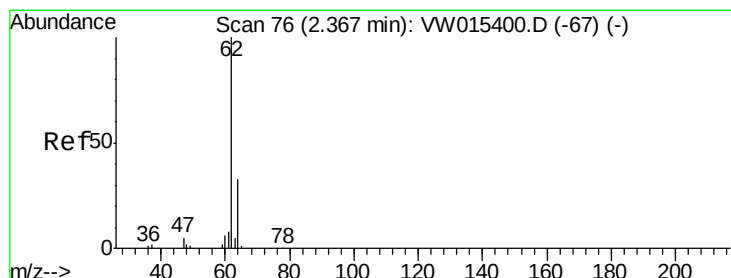
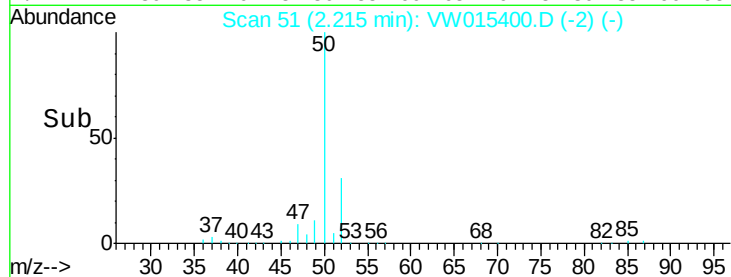
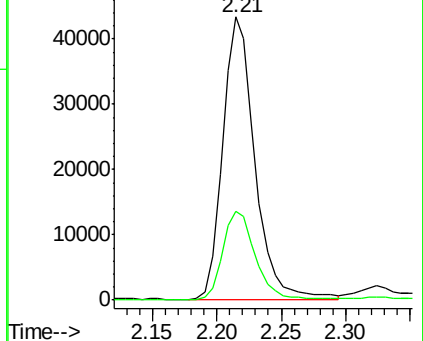
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.416 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015400.D

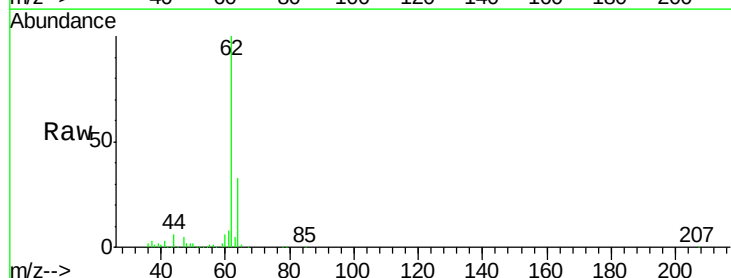
Acq: 05 May 2020 17:28

Tgt Ion: 62 Resp: 122382

Ion Ratio Lower Upper

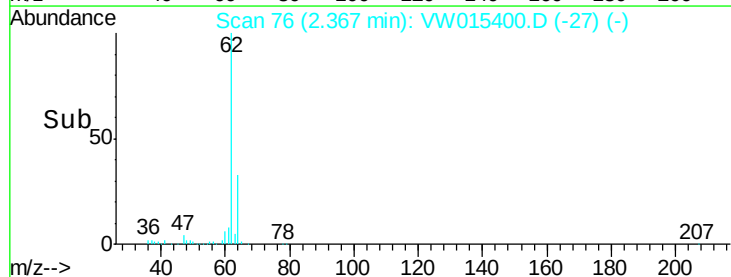
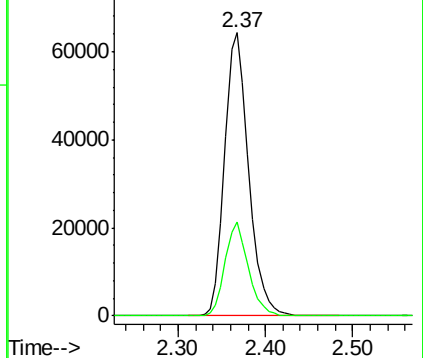
62 100

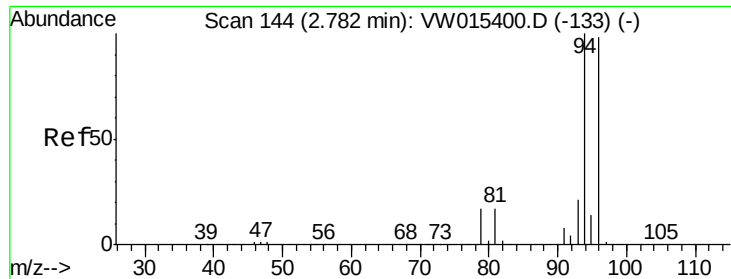
64 33.0 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 53.064 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 86620

Ion Ratio Lower Upper

94 100

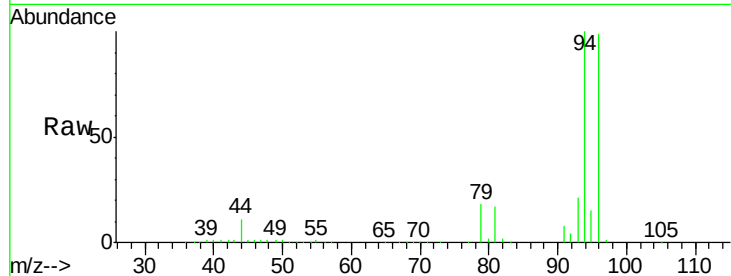
96 98.5 78.8 118.2

Manual Integrations

APPROVED

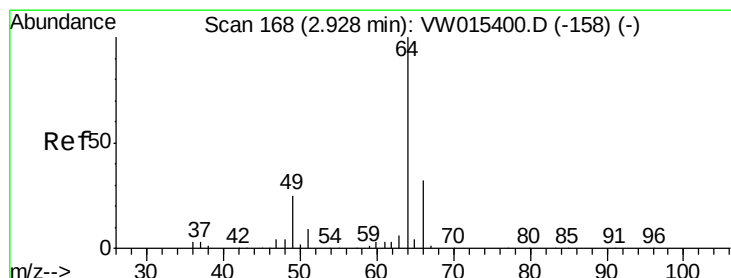
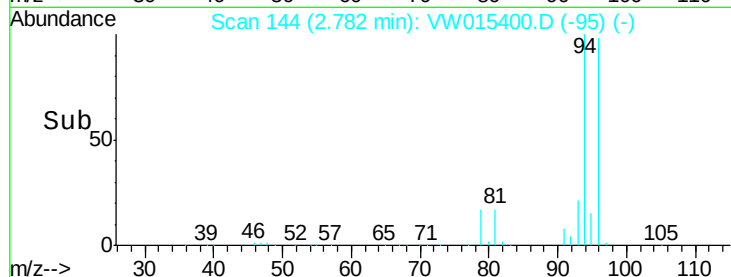
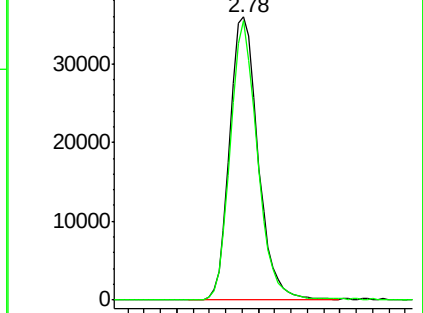
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.851 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015400.D

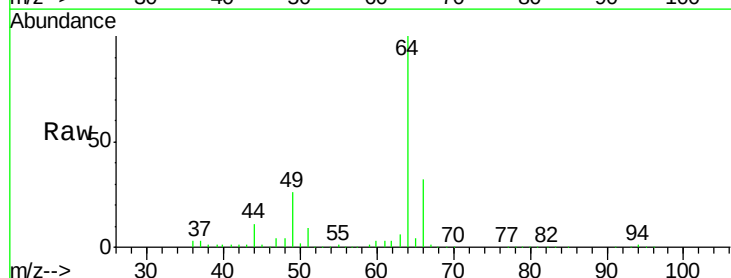
Acq: 05 May 2020 17:28

Tgt Ion: 64 Resp: 80726

Ion Ratio Lower Upper

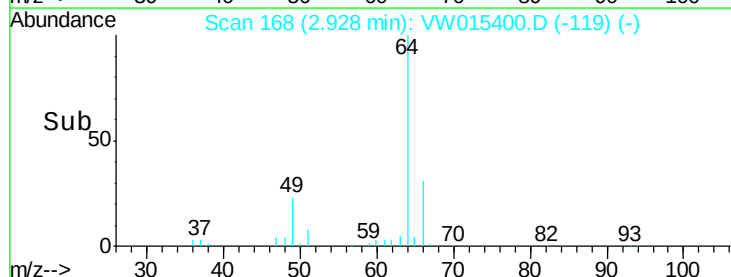
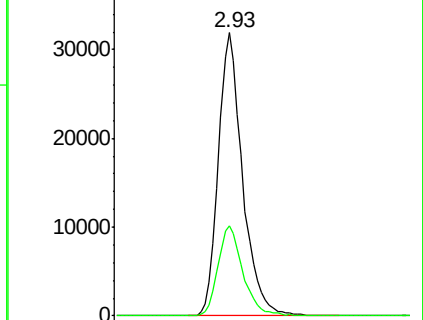
64 100

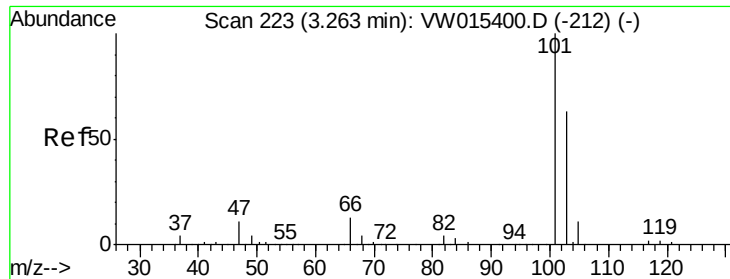
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

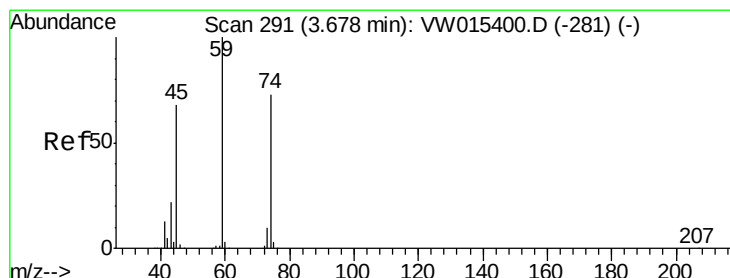
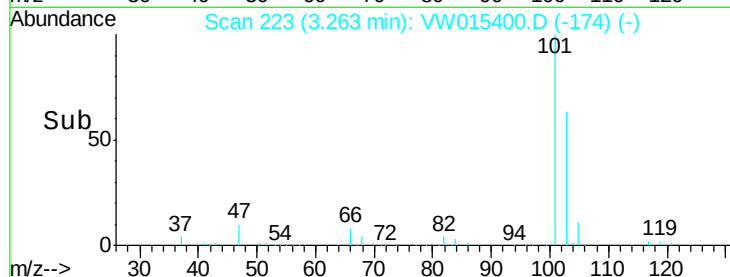
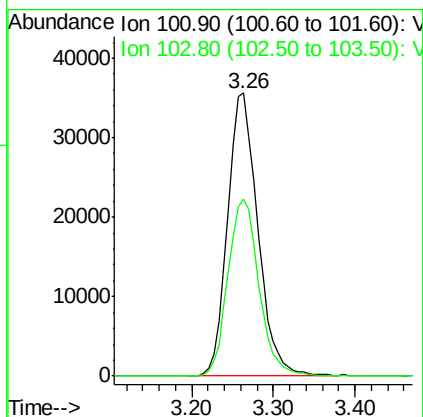
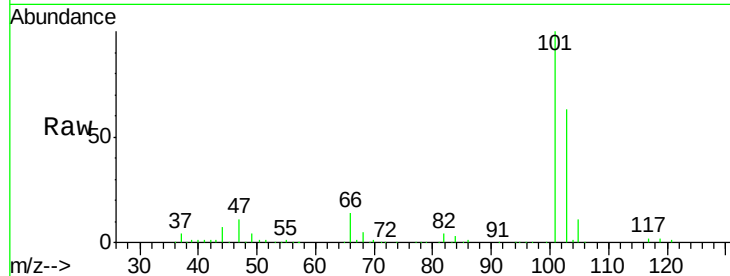
Trichlorofluoromethane
Concen: 30.431 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
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ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.4

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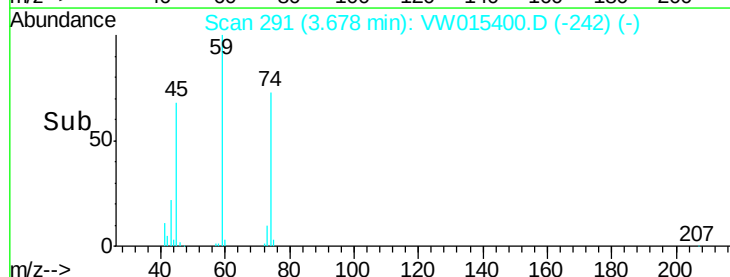
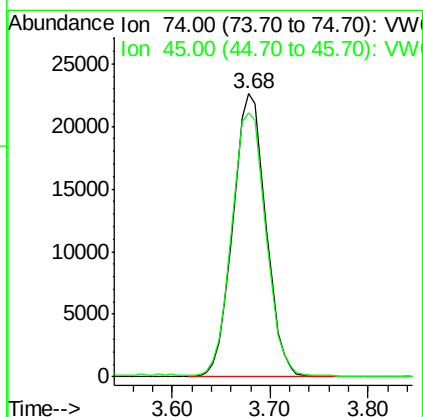
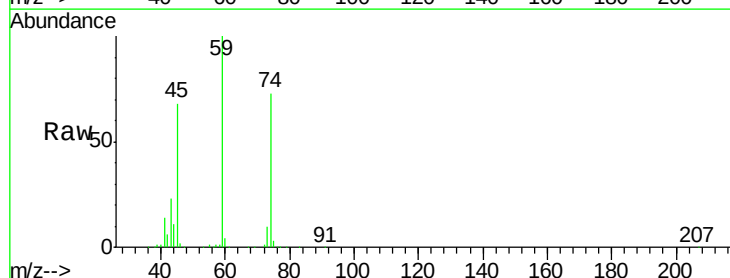
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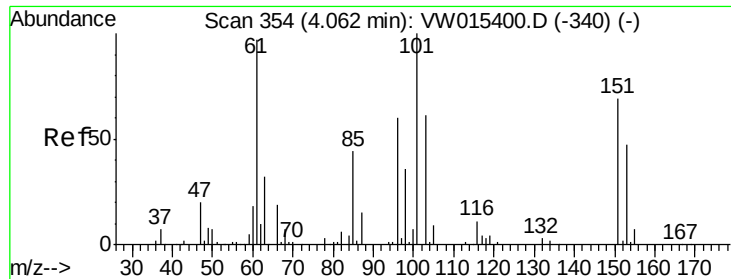


#8

Diethyl Ether
Concen: 56.840 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.884 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

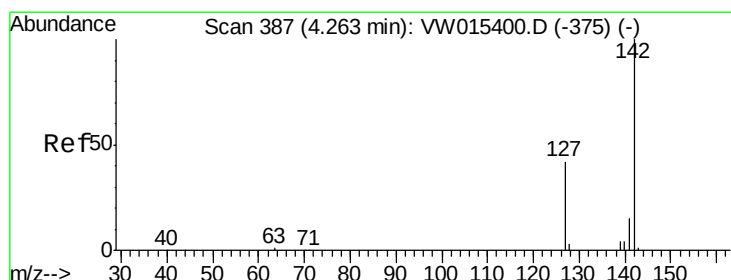
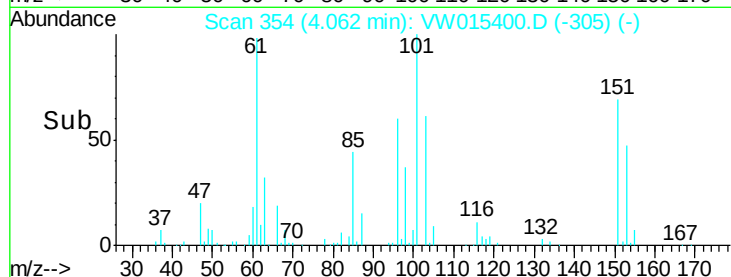
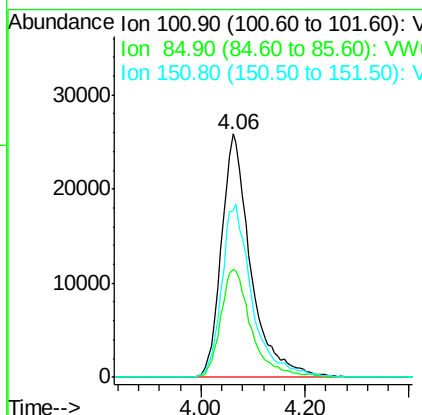
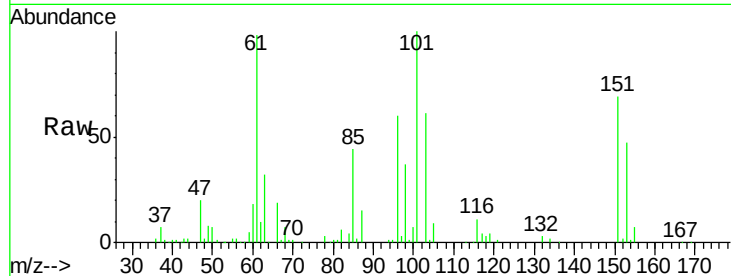
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	101936
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.3	55.9
151	73.6	58.9	88.3

Manual Integrations
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MMDadoda
5/6/2020 12:11:59 PM



#10

Methyl Iodide

Concen: 69.524 ug/l

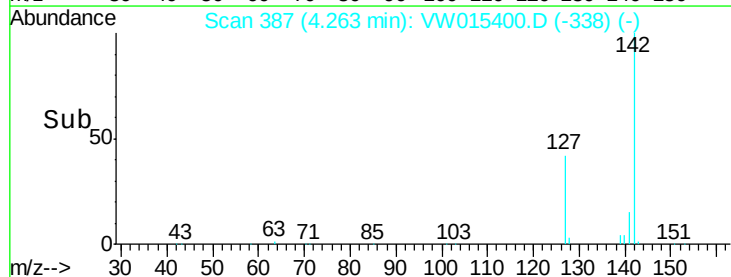
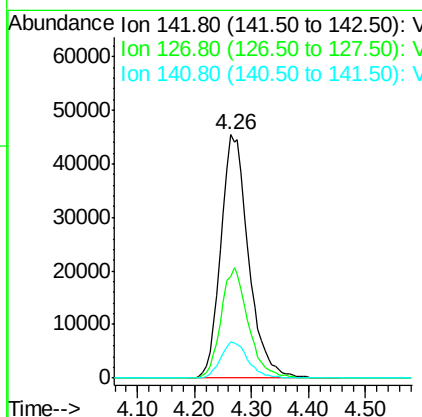
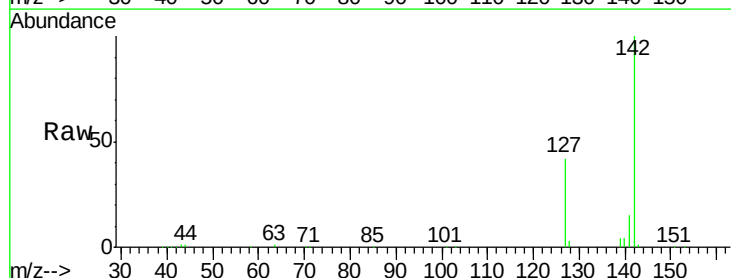
RT: 4.26 min Scan# 387

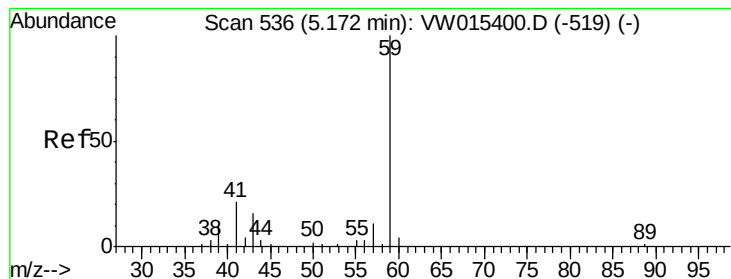
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	142	Resp:	153892
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.4	53.2
141	14.6	11.7	17.5





#11

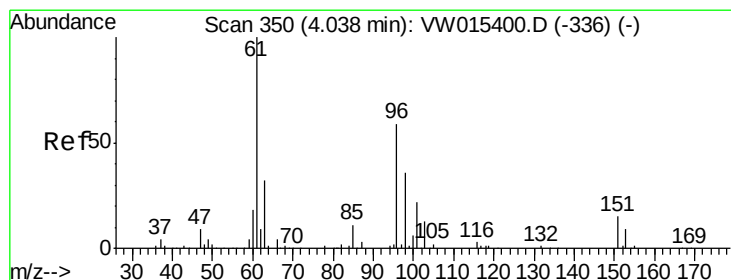
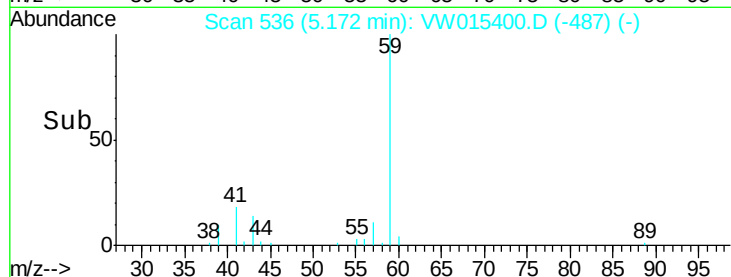
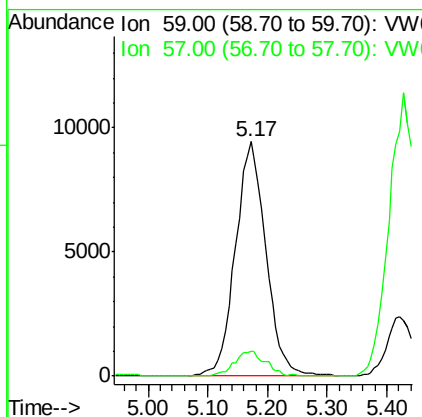
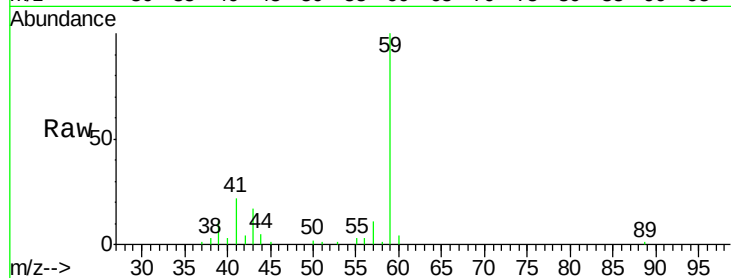
Tert butyl alcohol
 Concen: 224.655 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	10.8	Resp	33698	Lower	8.6	Upper	13.0
Ion	59	57	Ratio	100	10.8	Resp	33698	Lower	8.6	Upper	13.0

Manual Integrations
 APPROVED

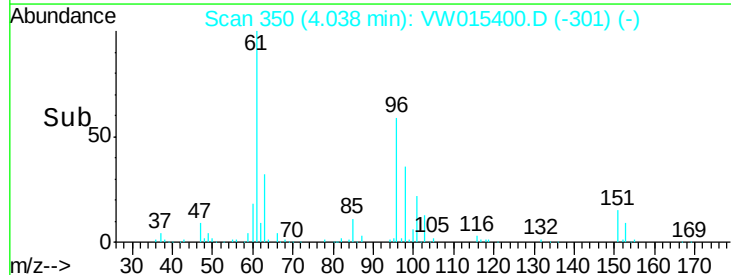
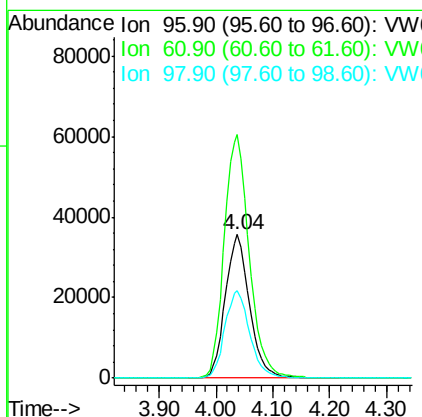
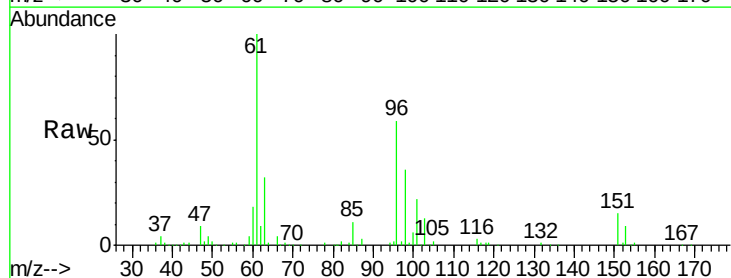
MMDadoda
 5/6/2020 12:11:59 PM

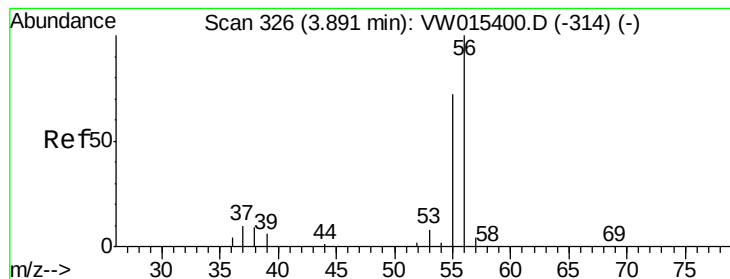


#12

1,1-Dichloroethene
 Concen: 54.141 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	96	61	98	Ratio	100	169.8	60.7	Resp	105733	Lower	135.8	48.6	Upper	203.8	72.8
Ion	96	61	98	Ratio	100	169.8	60.7	Resp	105733	Lower	135.8	48.6	Upper	203.8	72.8





#13

Acrolein

Concen: 469.822 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 45109

Ion Ratio Lower Upper

56 100

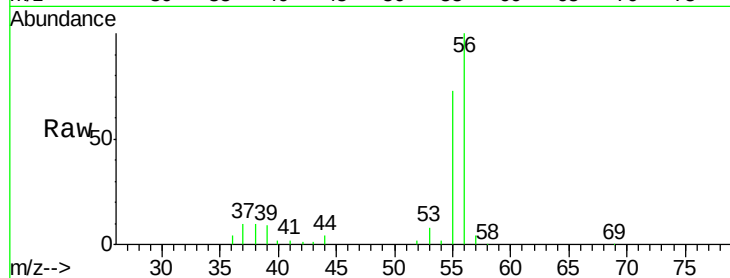
55 70.5 56.4 84.6

Manual Integrations

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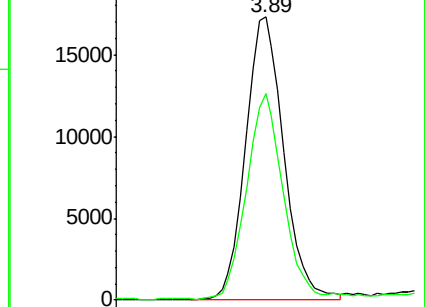
MMDadoda

5/6/2020 12:11:59 PM

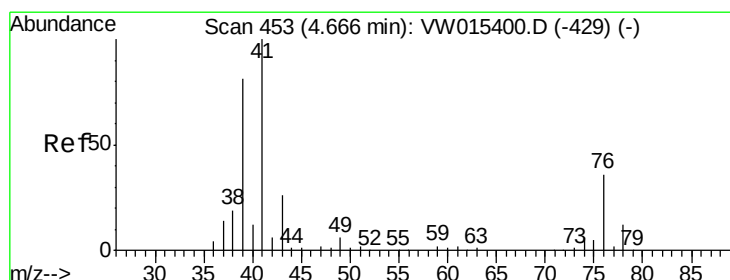
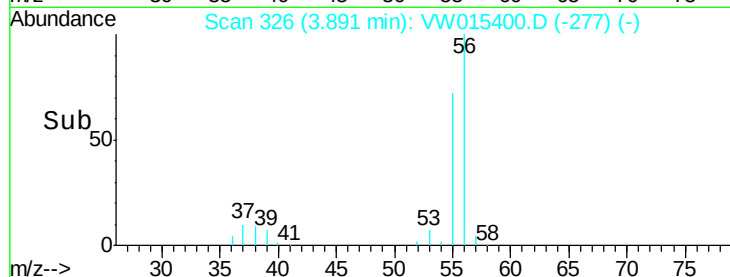


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 67.406 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

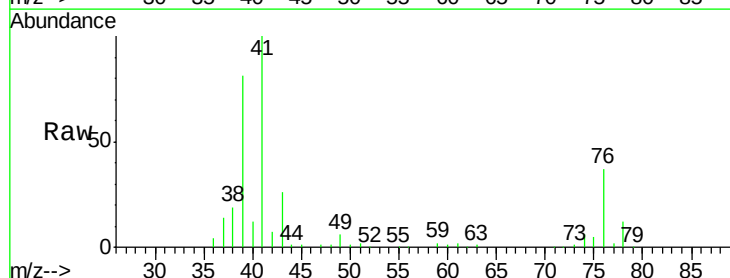
Tgt Ion: 41 Resp: 183810

Ion Ratio Lower Upper

41 100

39 79.5 63.6 95.4

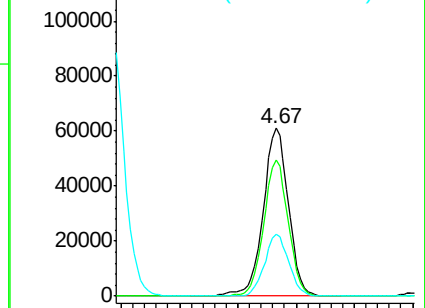
76 35.5 28.4 42.6



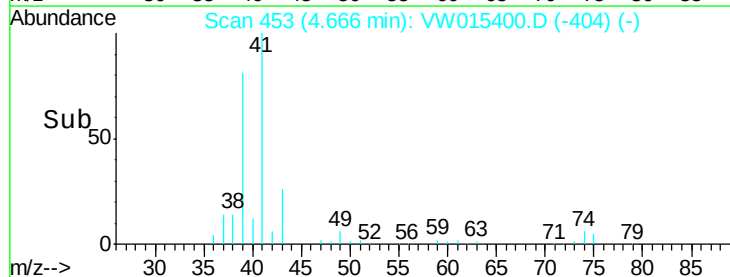
Abundance Ion 41.00 (40.70 to 41.70): VW

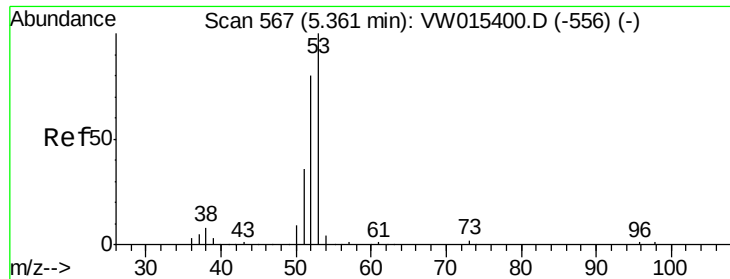
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 312.246 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

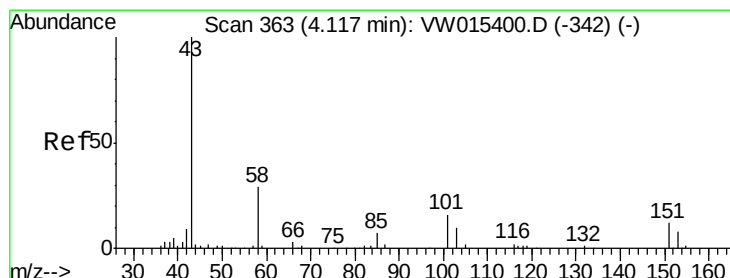
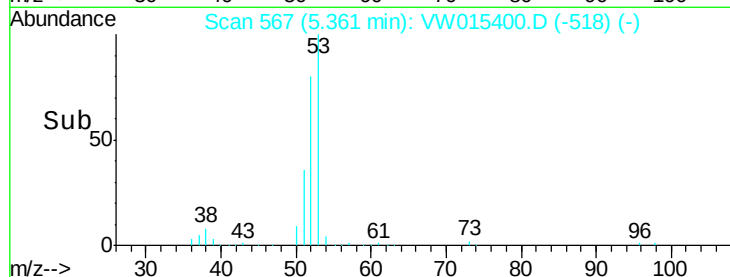
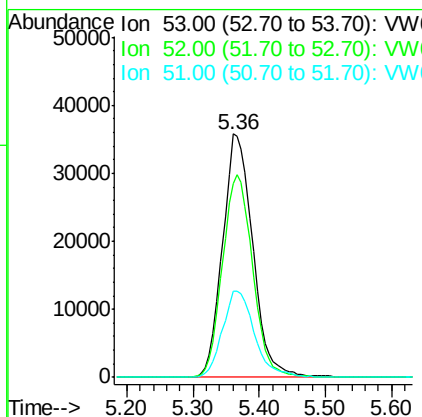
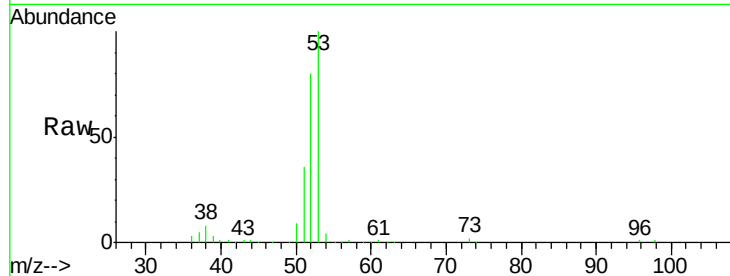
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	113305
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	37.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 280.330 ug/l

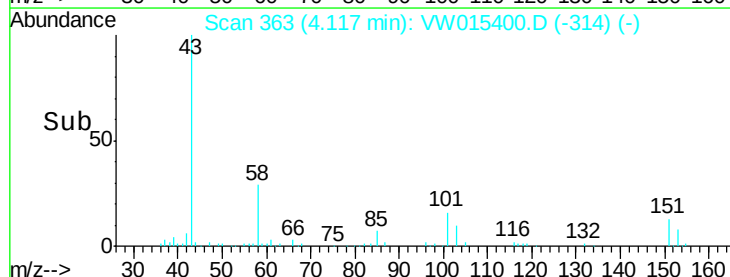
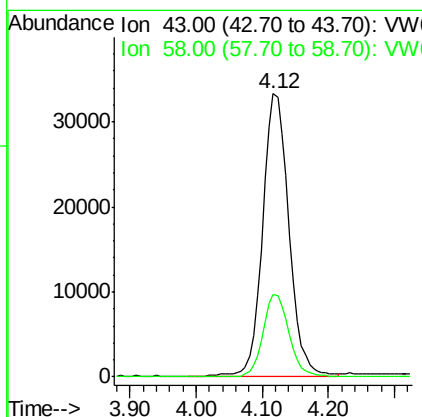
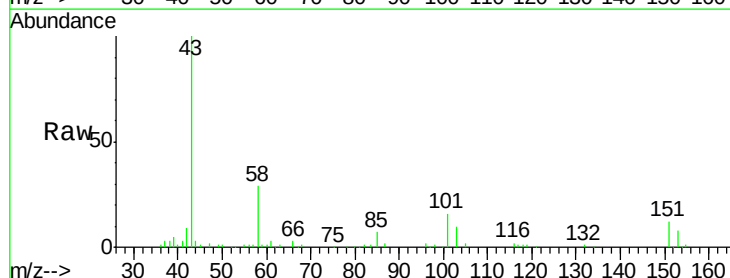
RT: 4.12 min Scan# 363

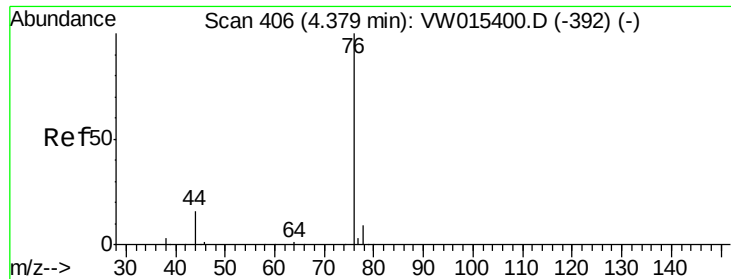
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	43	Resp:	91876
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0





#17

Carbon Disulfide

Concen: 56.481 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 328107

Ion Ratio Lower Upper

76 100

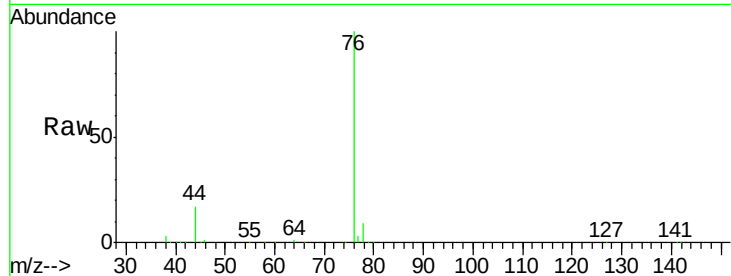
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

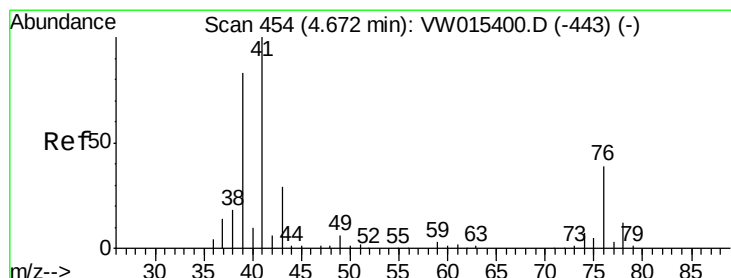
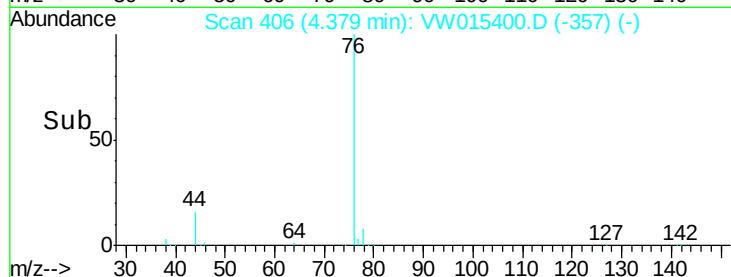
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.729 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015400.D

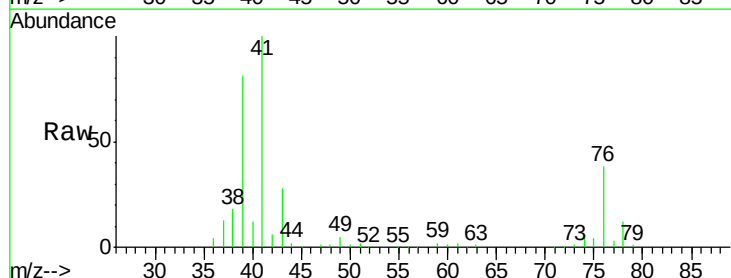
Acq: 05 May 2020 17:28

Tgt Ion: 43 Resp: 47819

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

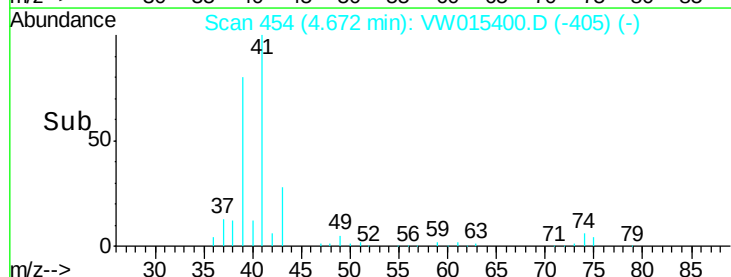
15000

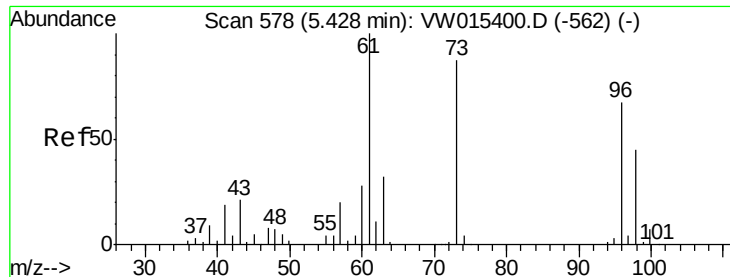
10000

5000

0

Time-->





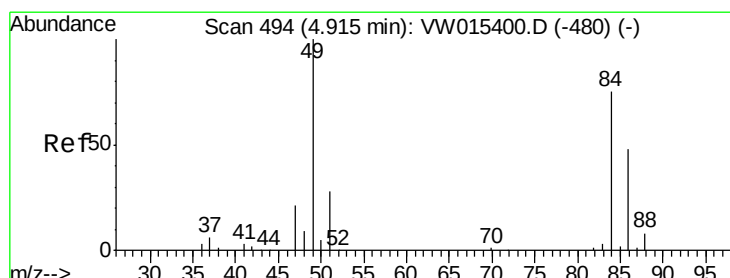
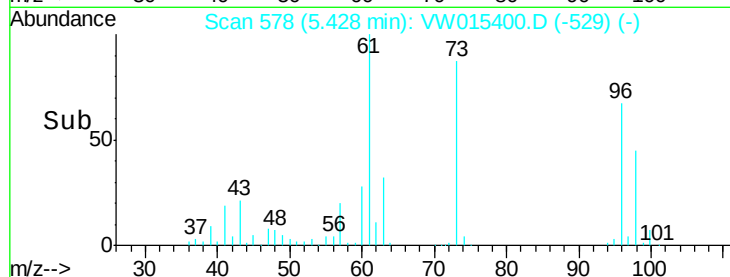
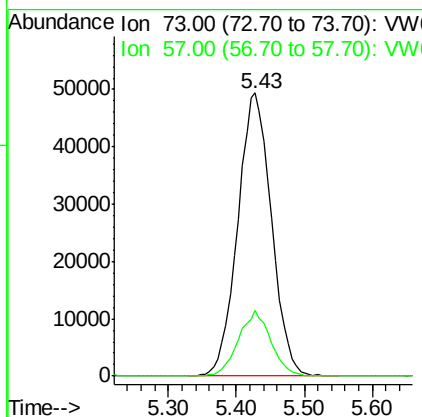
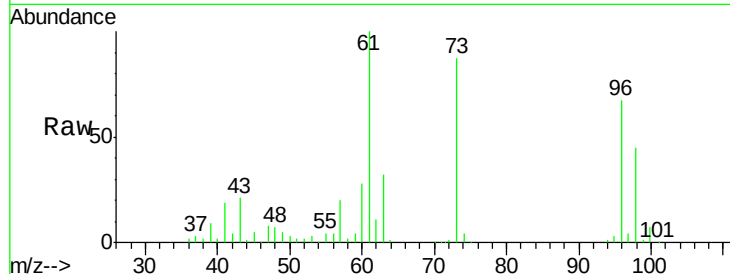
#19
Methyl tert-butyl Ether
Concen: 40.181 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 169759
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

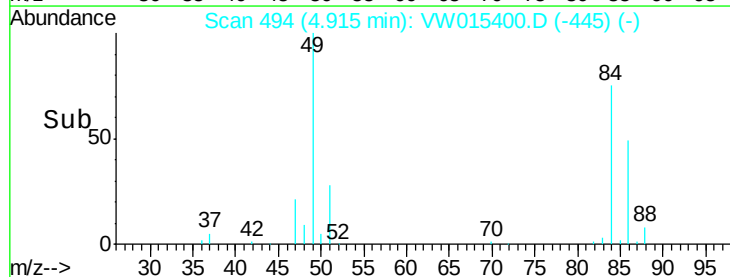
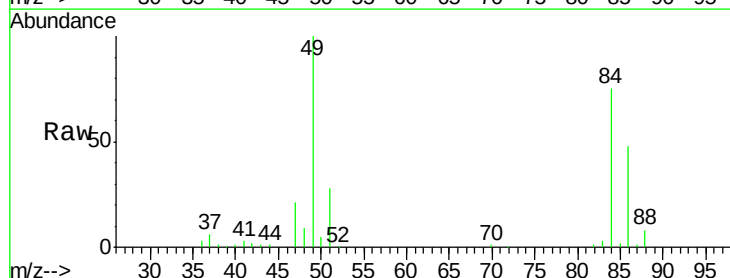
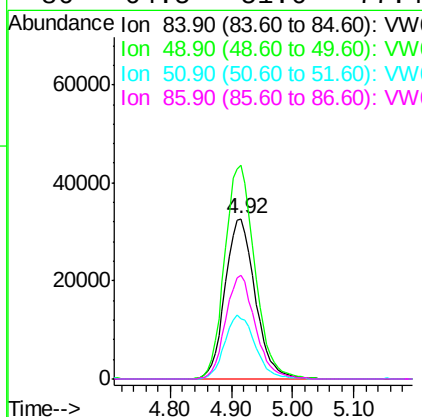
Manual Integrations
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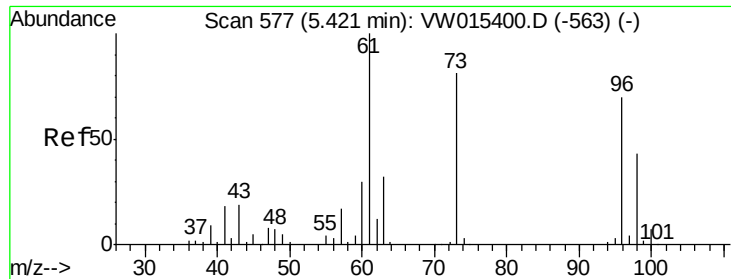
MMDadoda
5/6/2020 12:11:59 PM



#20
Methylene Chloride
Concen: 52.237 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion: 84 Resp: 111051
Ion Ratio Lower Upper
84 100
49 133.0 106.4 159.6
51 37.7 30.2 45.2
86 64.5 51.6 77.4





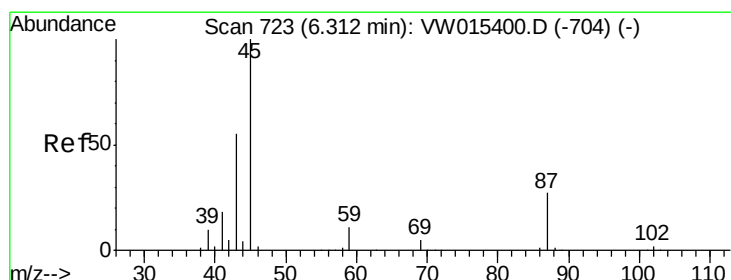
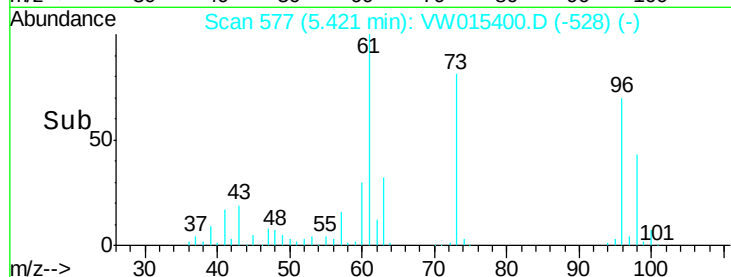
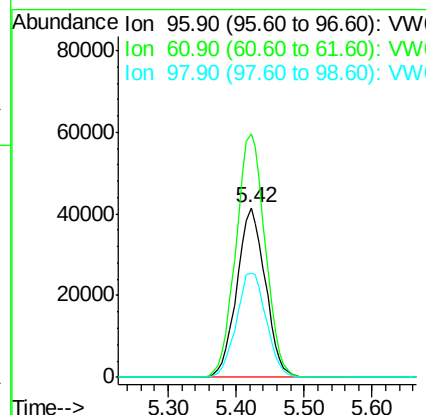
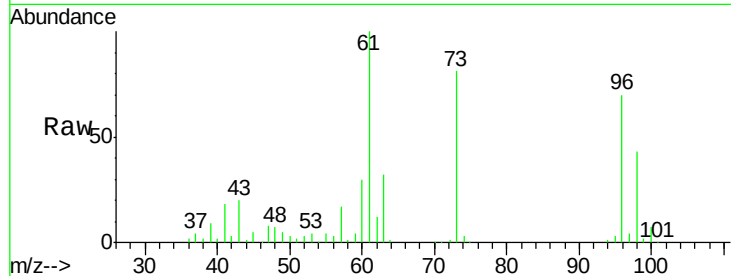
#21
trans-1,2-Dichloroethene
Concen: 54.557 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	114.9	172.3
98	61.7	49.4	74.0

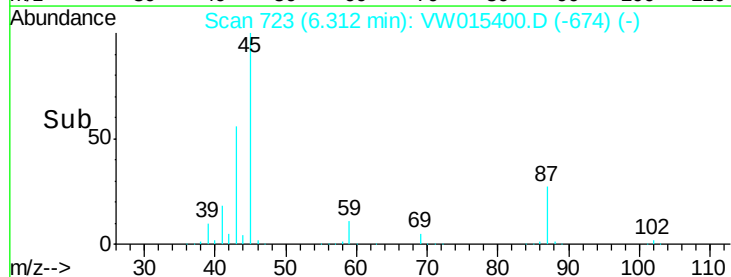
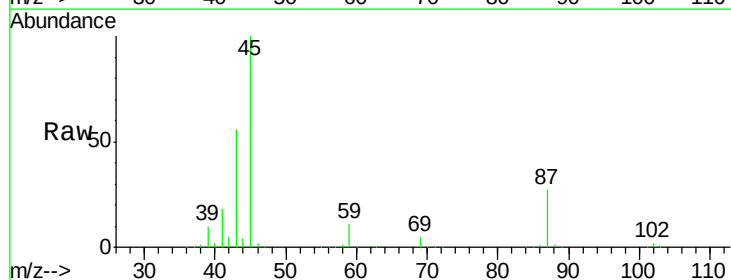
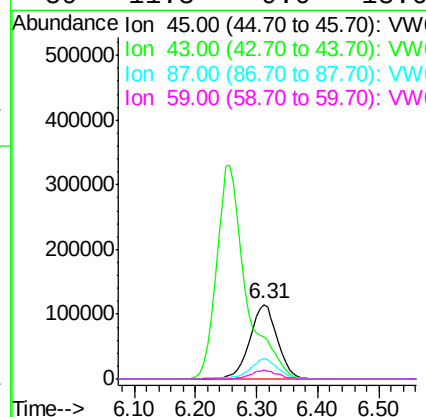
Manual Integrations
APPROVED

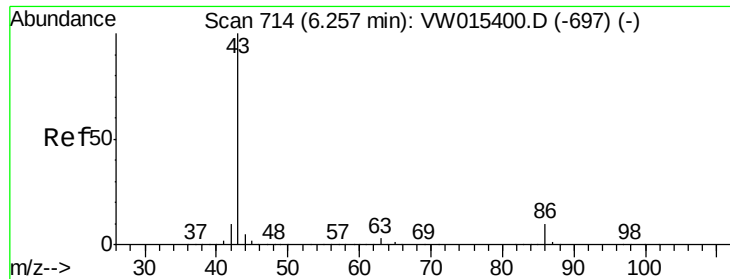
MMDadoda
5/6/2020 12:11:59 PM



#22
Diisopropyl ether
Concen: 69.084 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.2	66.4
87	27.0	21.6	32.4
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 355.073 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1106226

Ion Ratio Lower Upper

43 100

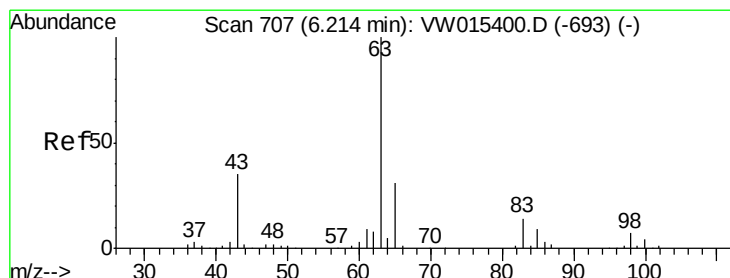
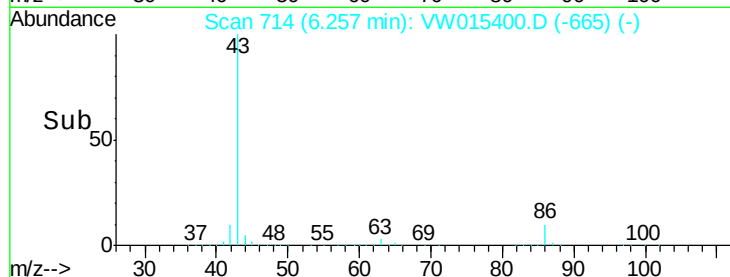
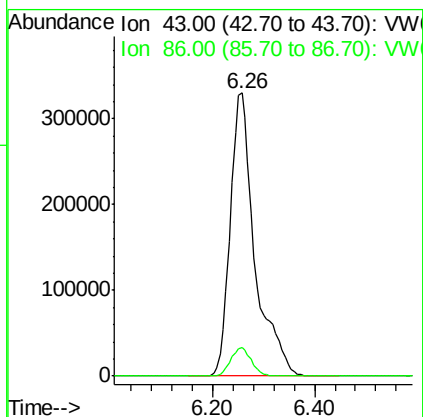
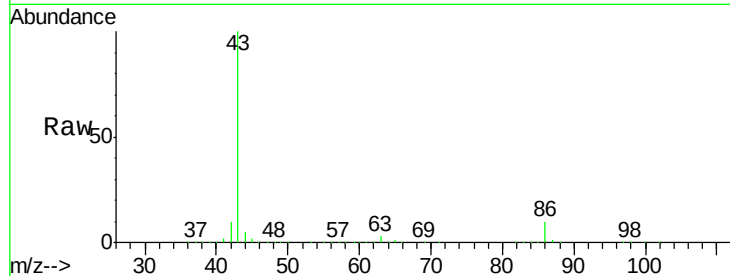
86 10.1 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

5/6/2020 12:11:59 PM



#24

1,1-Dichloroethane

Concen: 61.767 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

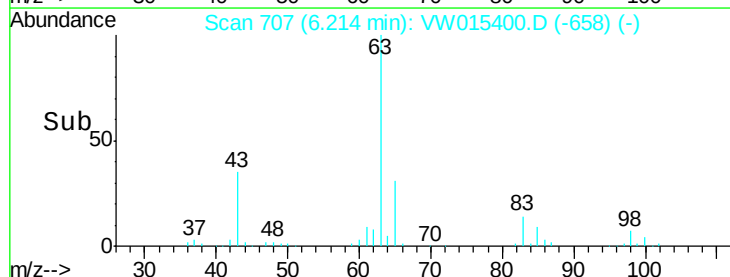
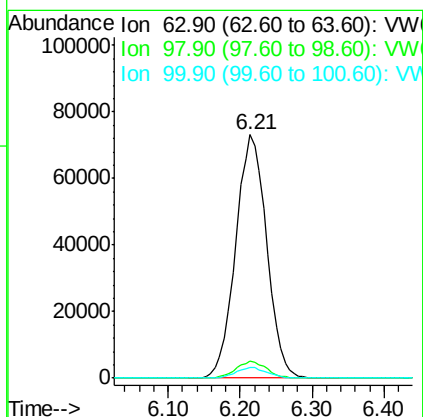
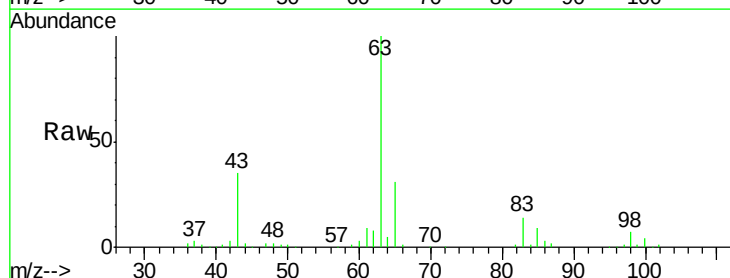
Tgt Ion: 63 Resp: 218513

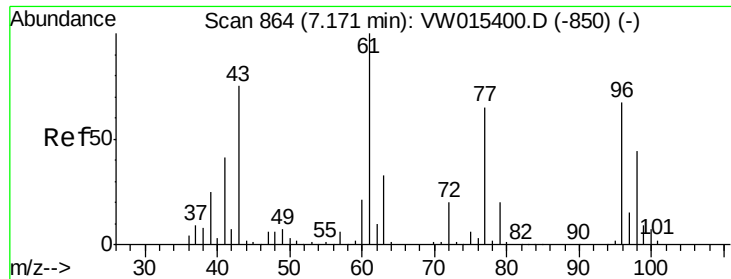
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.3 2.1 6.5





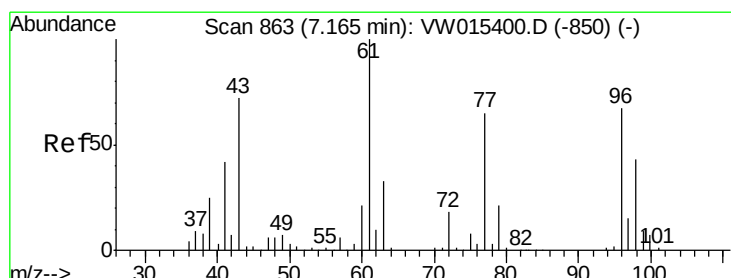
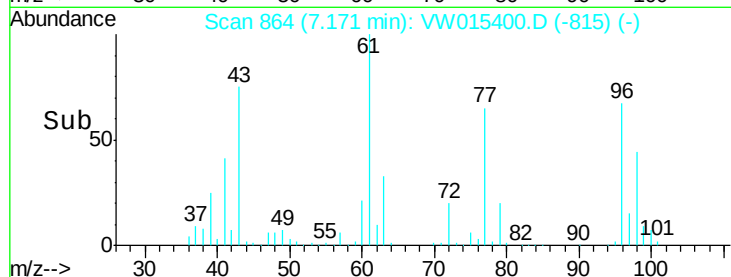
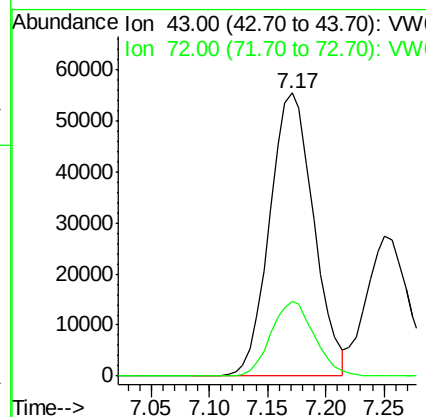
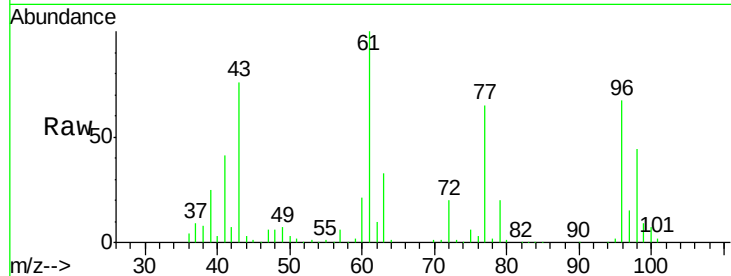
#25
2-Butanone
Concen: 320.667 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 144767
Ion Ratio Lower Upper
43 100
72 26.7 21.4 32.0

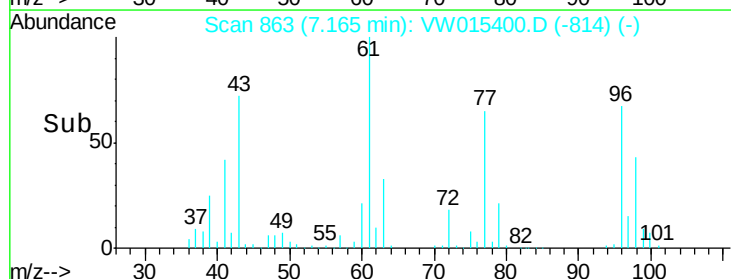
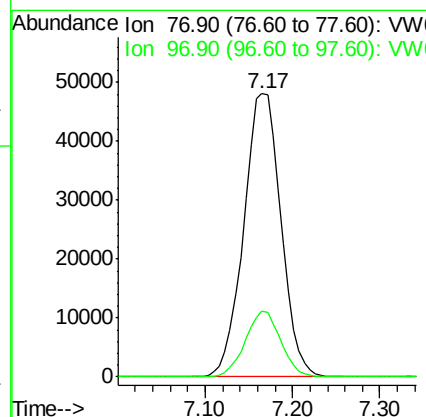
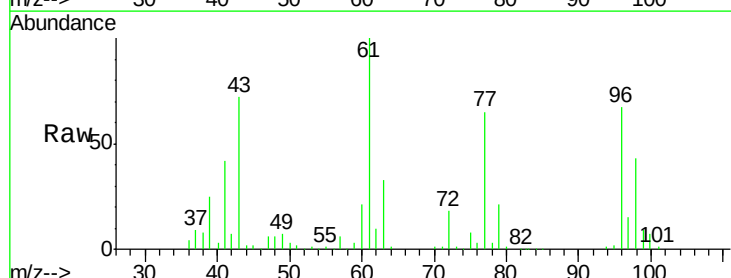
Manual Integrations
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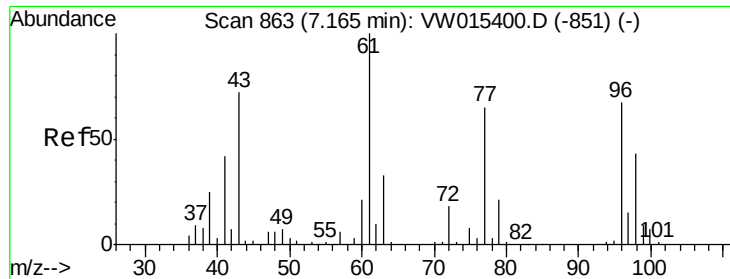
MMDadoda
5/6/2020 12:11:59 PM



#26
2,2-Dichloropropane
Concen: 41.293 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion: 77 Resp: 142456
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





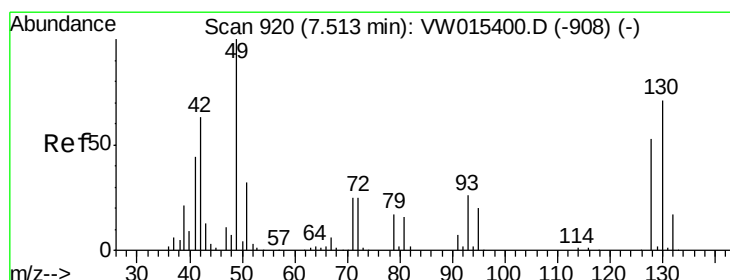
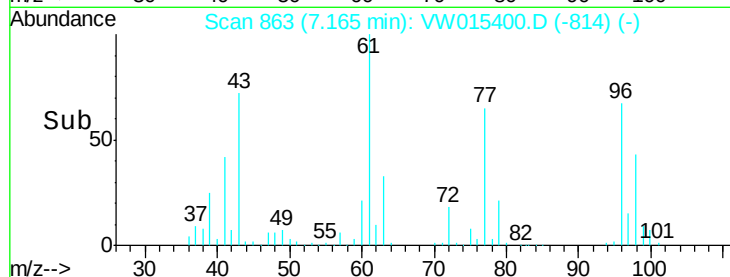
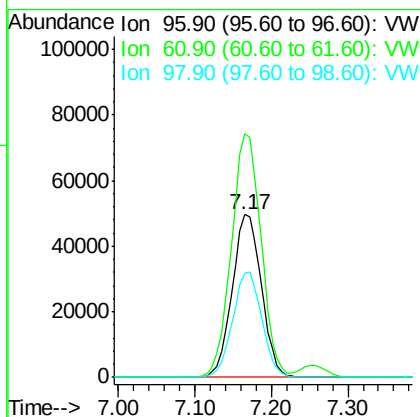
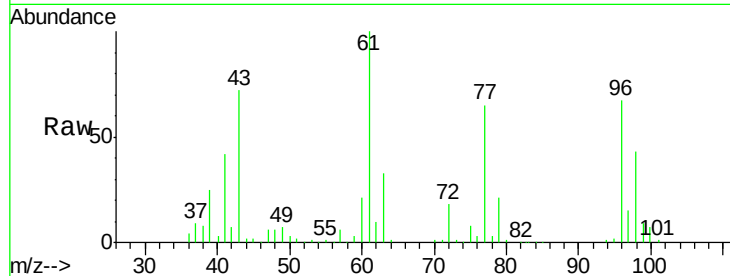
#27
 cis-1,2-Dichloroethene
 Concen: 54.861 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131146		
61	152.3	0.0	304.6	
98	64.6	0.0	129.2	

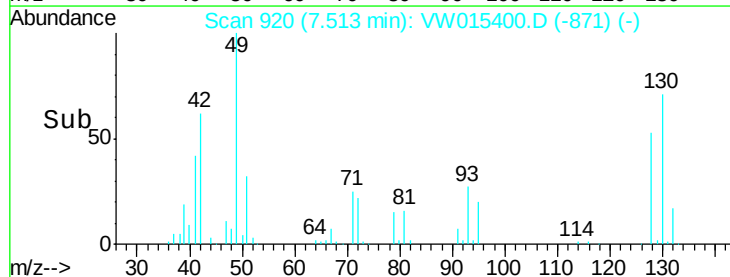
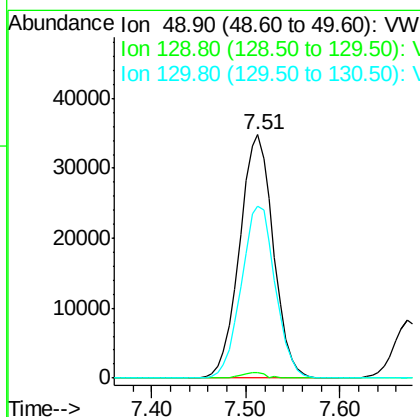
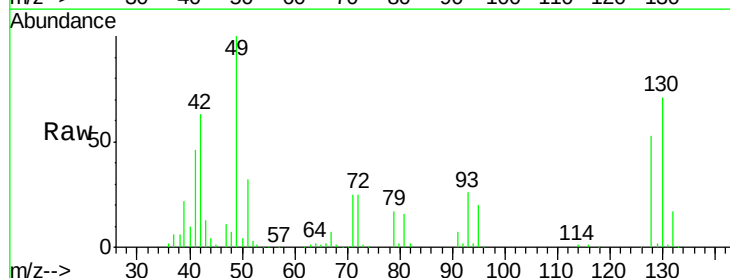
Manual Integrations
 APPROVED

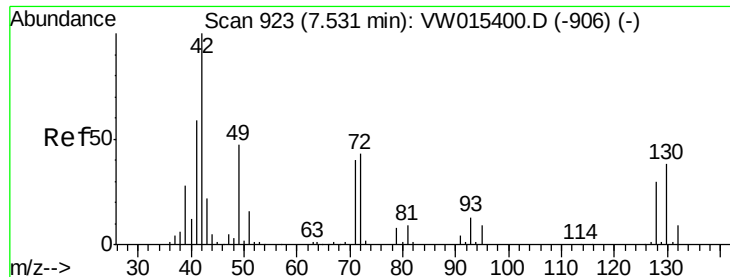
MMDadoda
 5/6/2020 12:11:59 PM



#28
 Bromochloromethane
 Concen: 67.008 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87397		
129	1.5	0.0	3.0	
130	71.2	57.0	85.4	





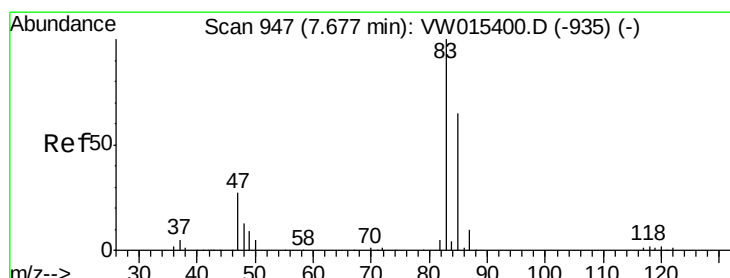
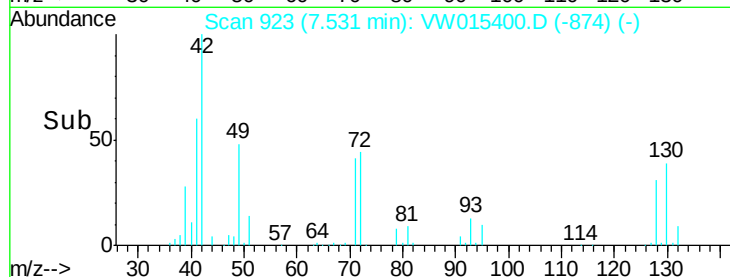
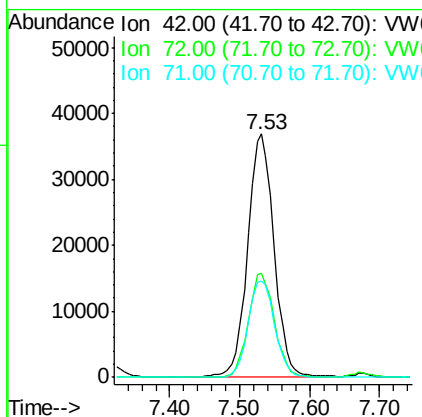
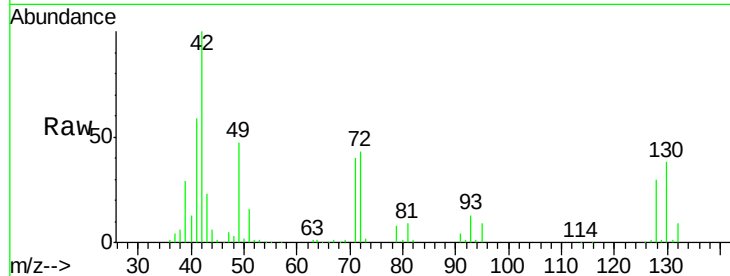
#29
Tetrahydrofuran
Concen: 339.180 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	40.1	32.1	48.1

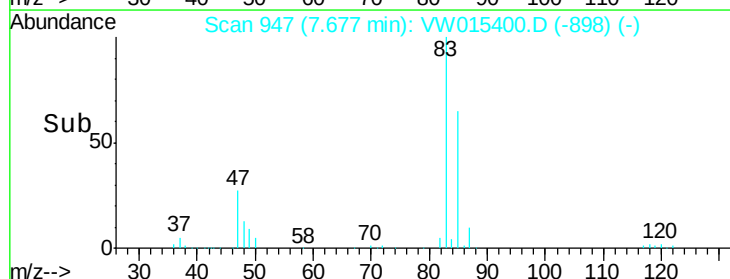
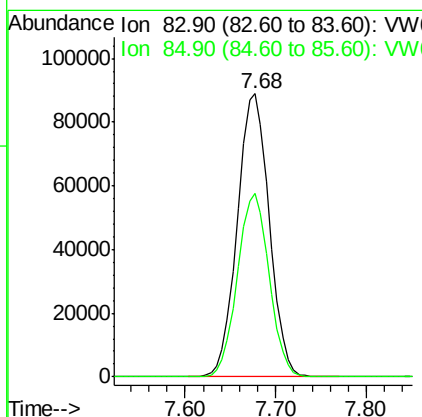
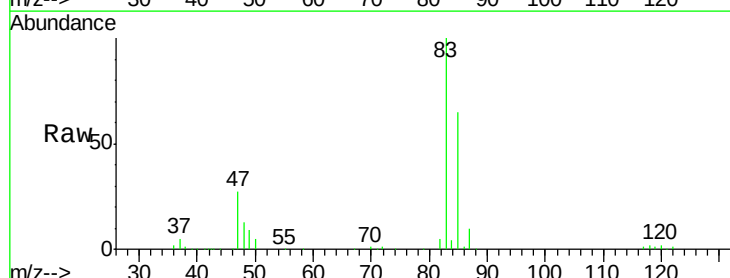
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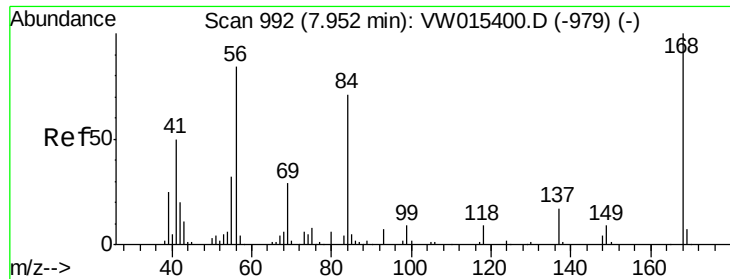
MMDadoda
5/6/2020 12:11:59 PM



#30
Chloroform
Concen: 57.769 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





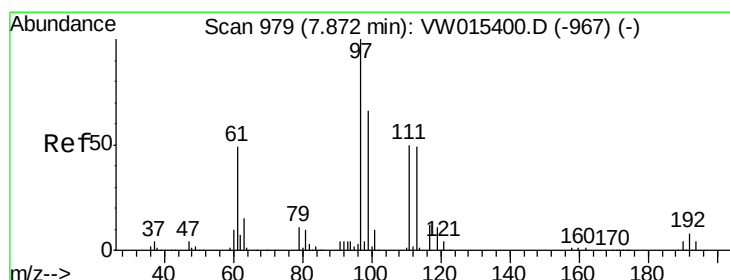
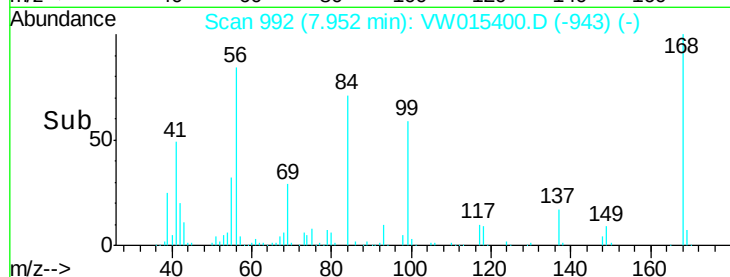
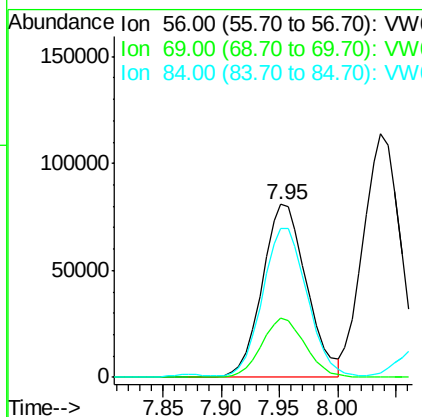
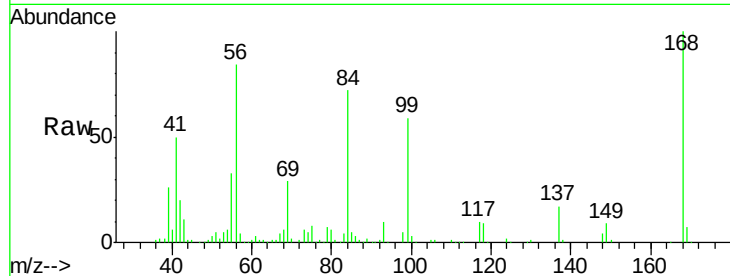
#31
Cyclohexane
Concen: 60.007 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	213908		
69	34.0		27.2	40.8
84	84.6		67.7	101.5

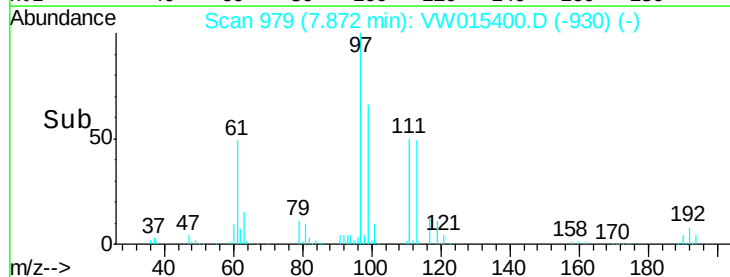
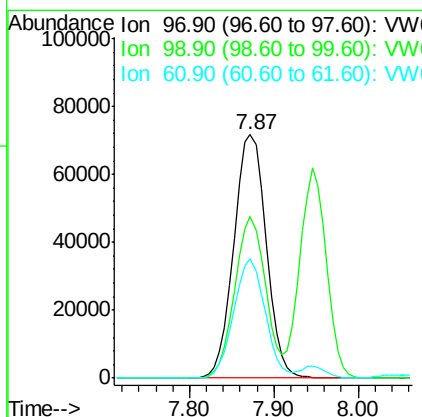
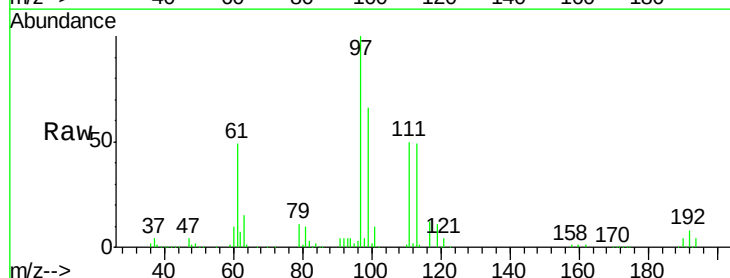
Manual Integrations
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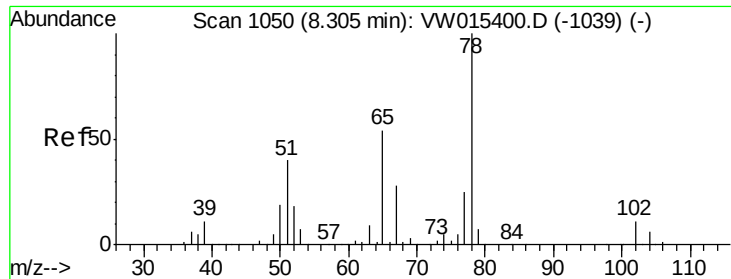
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.378 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	186271		
99	63.4		50.7	76.1
61	47.5		38.0	57.0





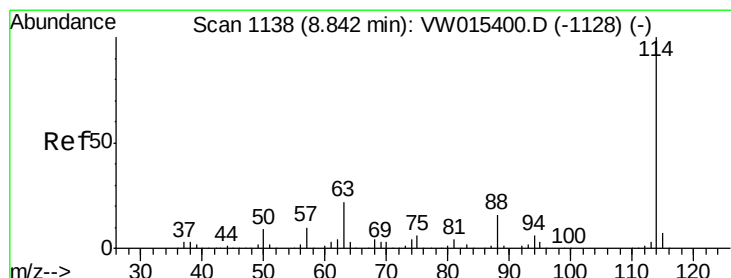
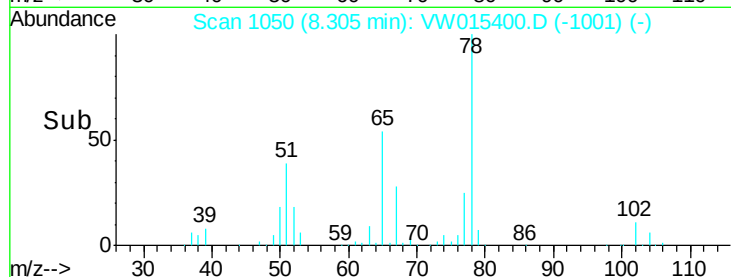
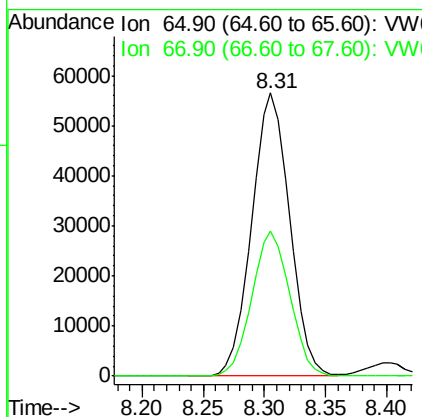
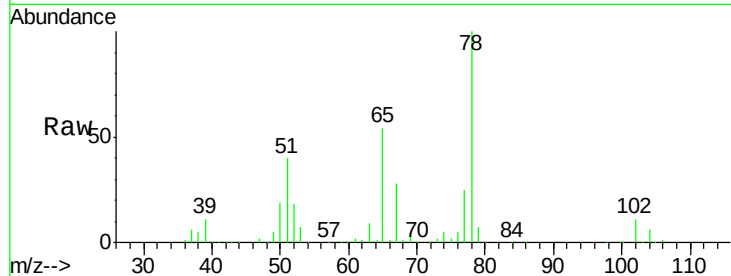
#33
 1,2-Dichloroethane-d4
 Concen: 63.621 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122079		
67	51.4	0.0	102.8	

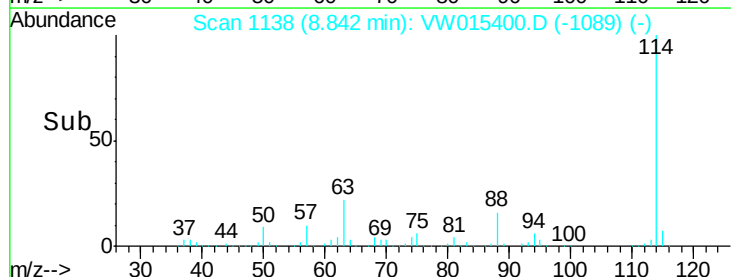
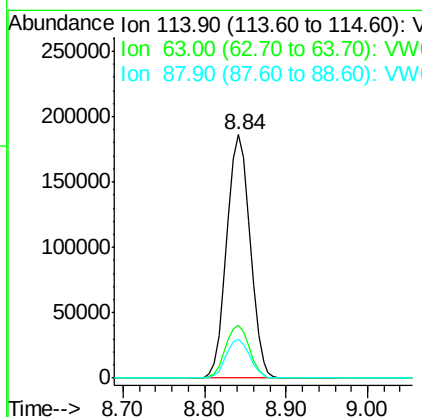
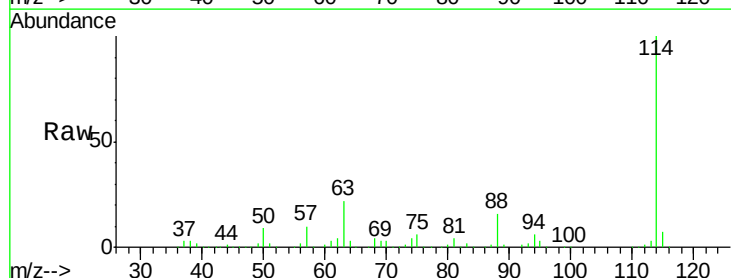
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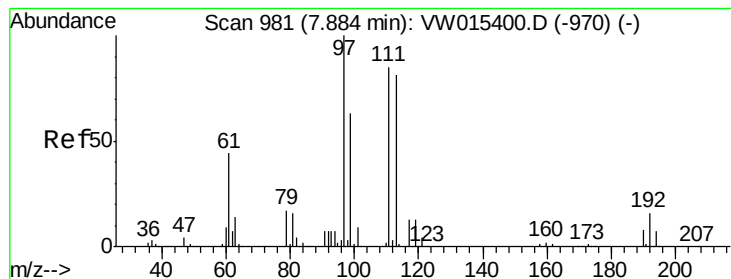
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367469		
63	21.7	0.0	43.4	
88	15.9	0.0	31.8	





#35

Dibromofluoromethane

Concen: 52.072 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

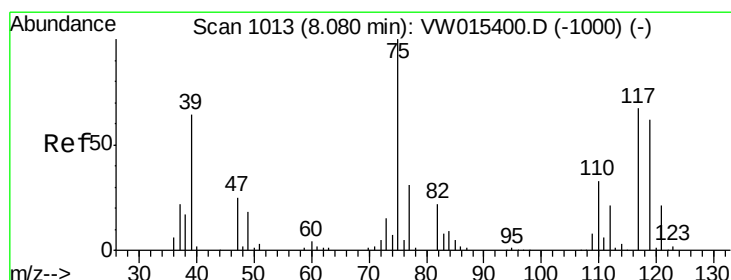
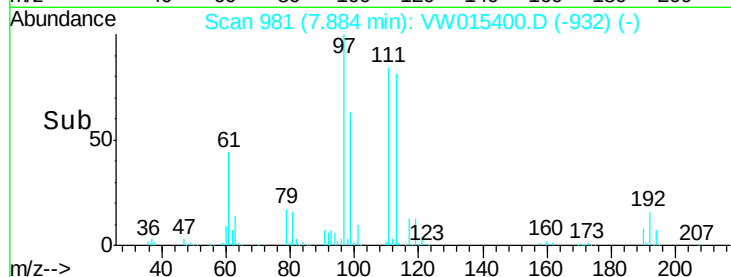
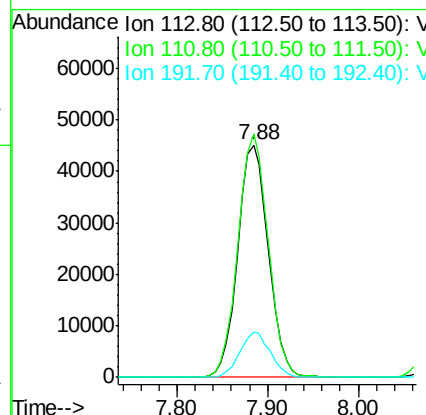
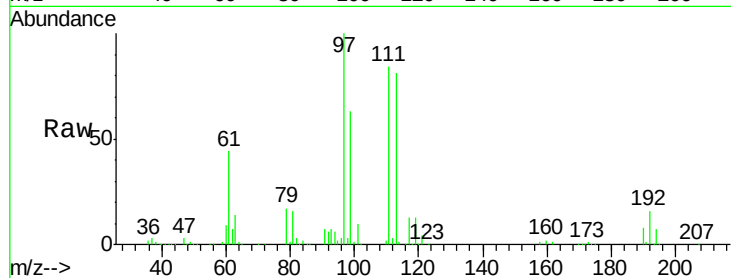
ClientSampled :

VSTDICCC050

Tot Ion:	113	Resp:	106474
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	19.2	15.4	23.0

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#36

1,1-Dichloropropene

Concen: 53.631 ug/l

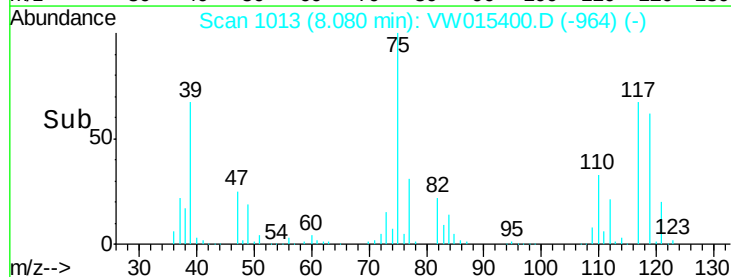
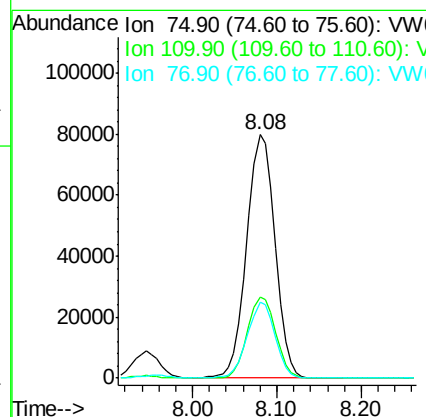
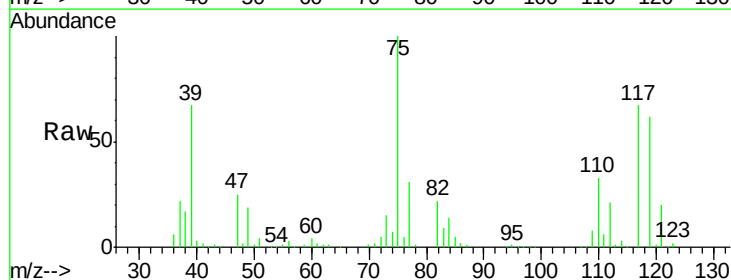
RT: 8.08 min Scan# 1013

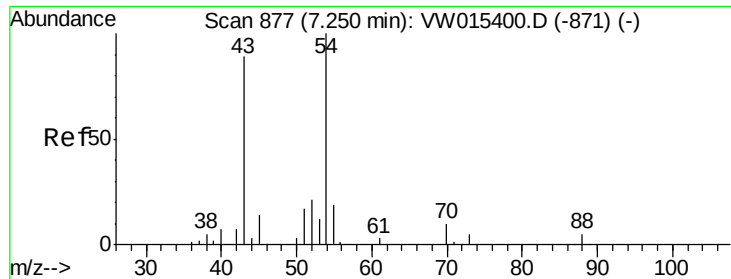
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	75	Resp:	181713
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.6	49.8
77	30.6	24.5	36.7





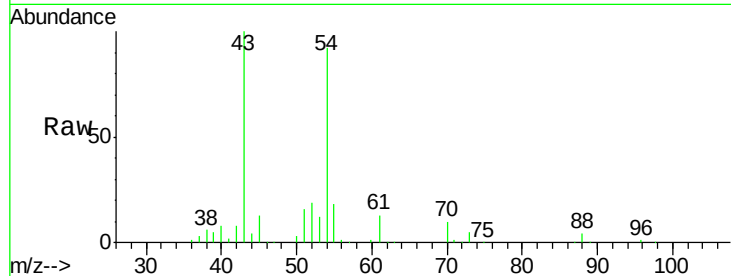
#37
Ethyl Acetate
Concen: 62.273 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	10.0	8.0	12.0

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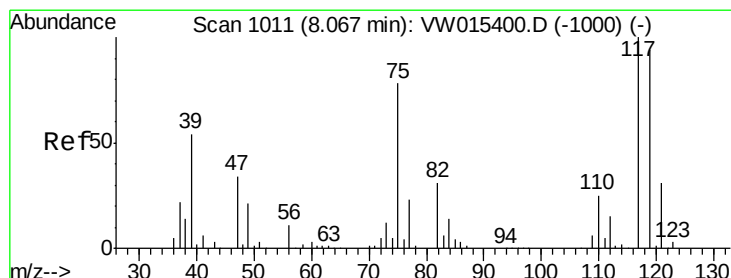
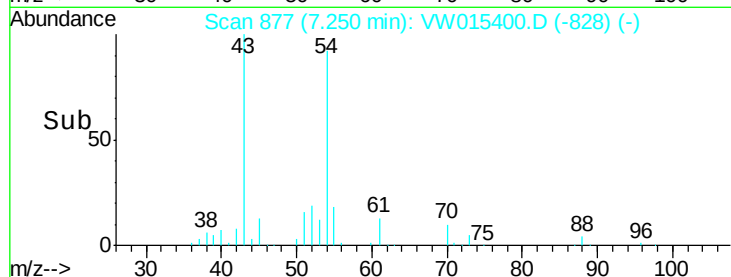
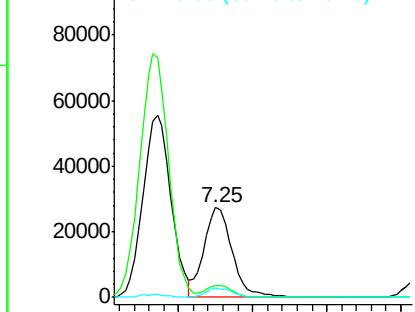


Abundance

Ion 43.00 (42.70 to 43.70): VW

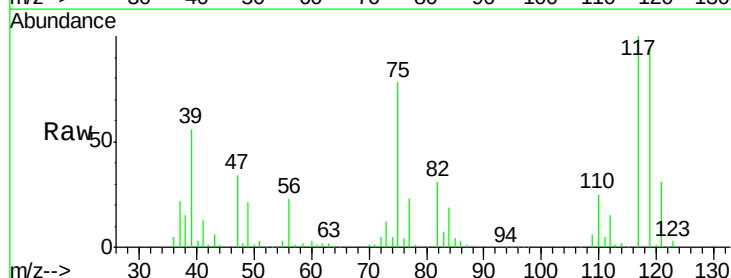
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 47.309 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
121	31.0	24.8	37.2

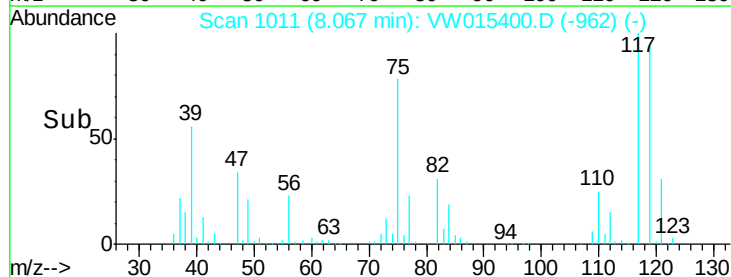
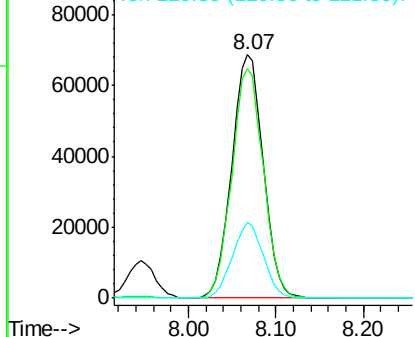


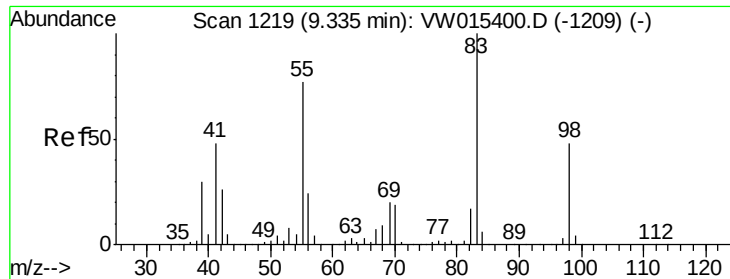
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





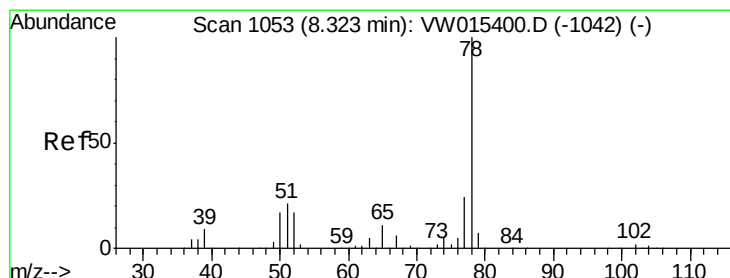
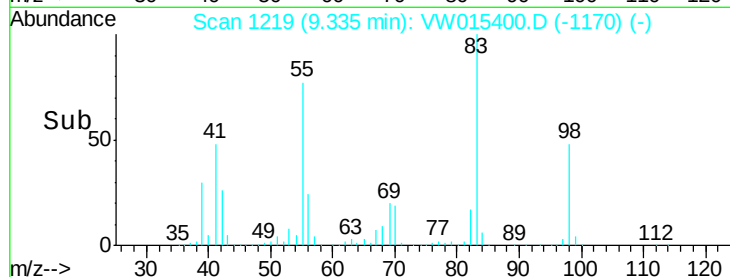
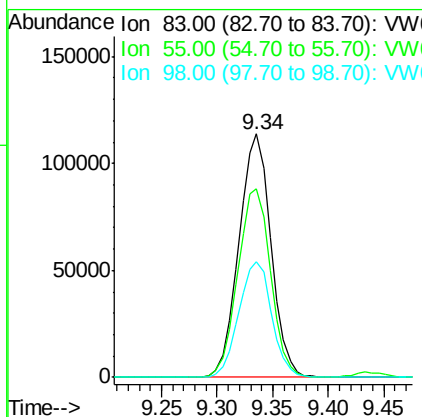
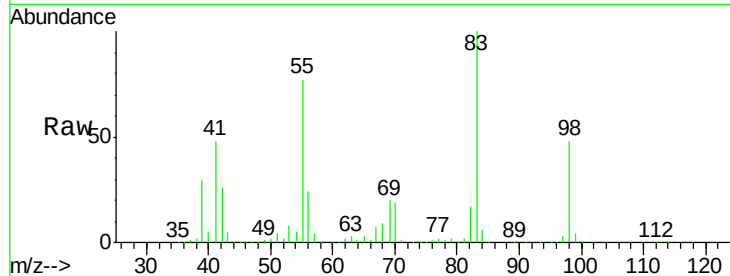
#39
Methylvlcyclohexane
Concen: 50.886 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227529		
55	77.4	61.9	92.9	
98	47.7	38.2	57.2	

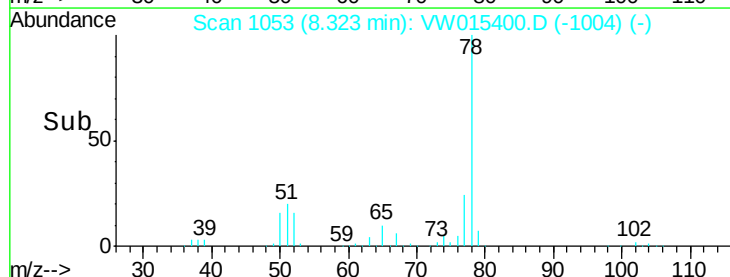
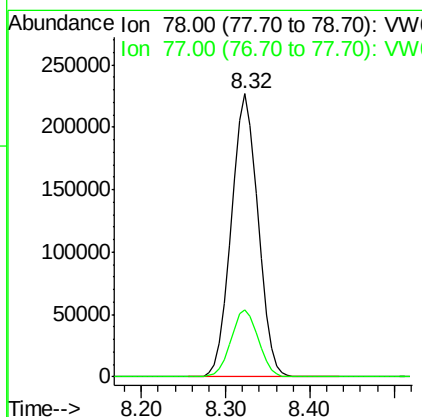
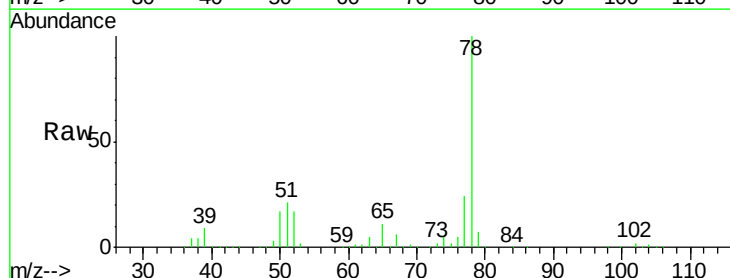
Manual Integrations
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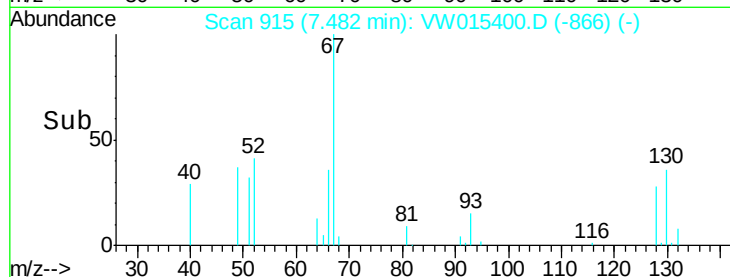
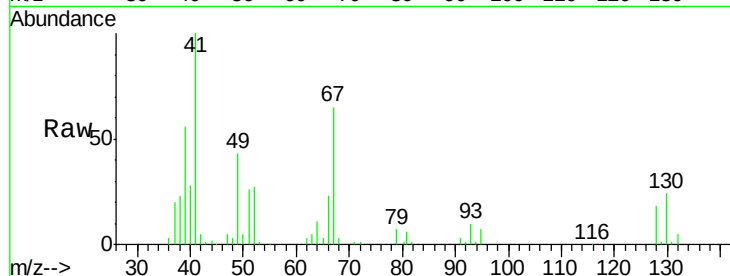
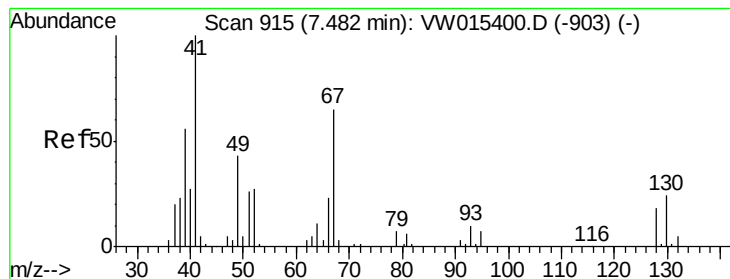
MMDadoda
5/6/2020 12:11:59 PM



#40
Benzene
Concen: 53.742 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	486004		
77	23.7	19.0	28.4	





#41

Methacrylonitrile

Concen: 59.513 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW015400.D

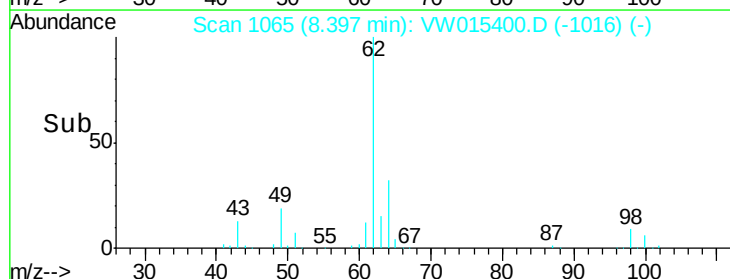
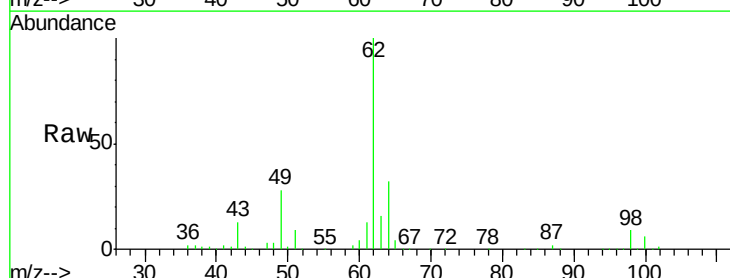
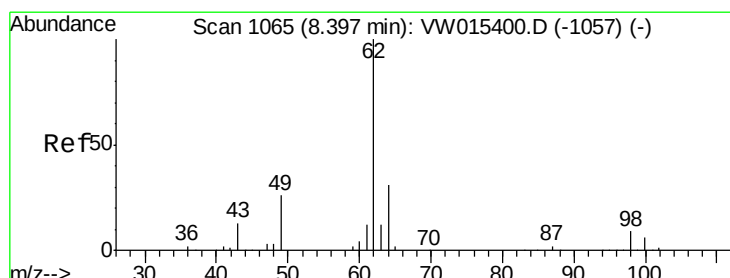
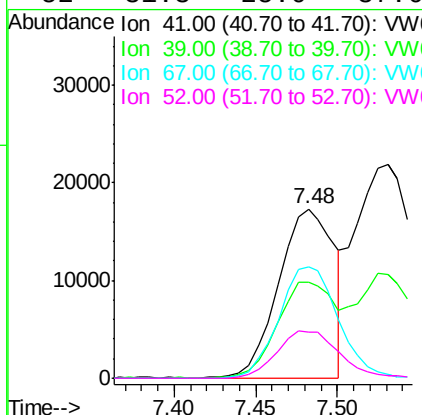
Acq: 05 May 2020 17:28

Tot Ion:	41	Resp:	41033
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.2	69.4
67	70.2	56.2	84.2
52	31.3	25.0	37.6

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.198 ug/l

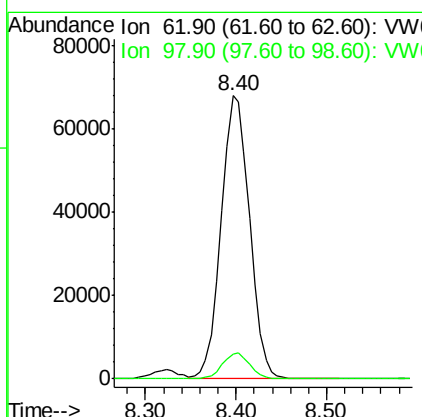
RT: 8.40 min Scan# 1065

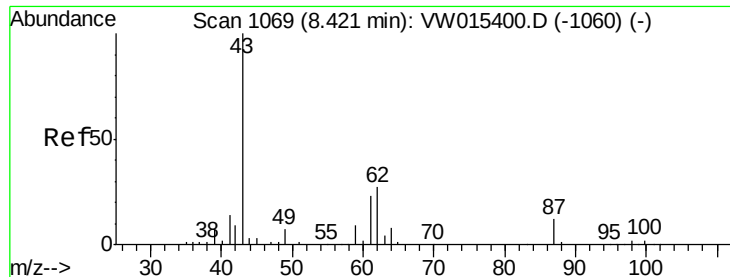
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	62	Resp:	148447
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 60.274 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

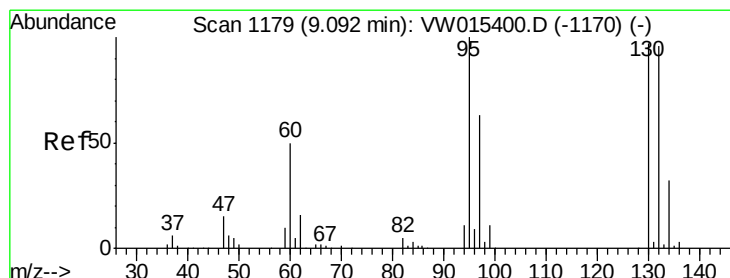
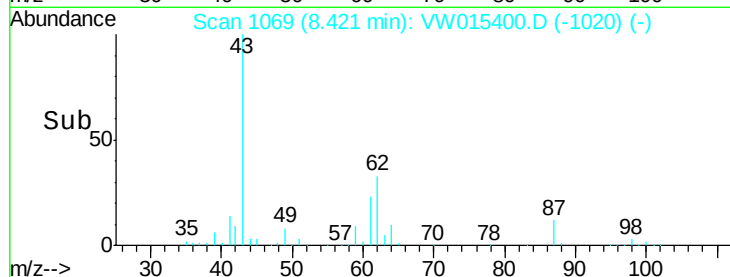
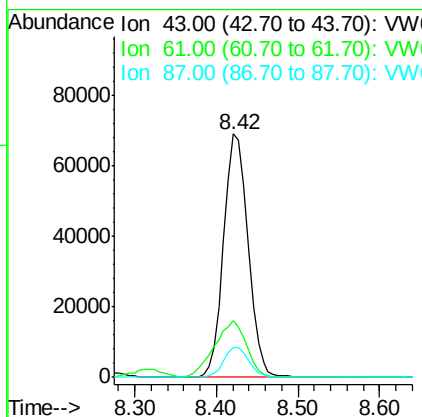
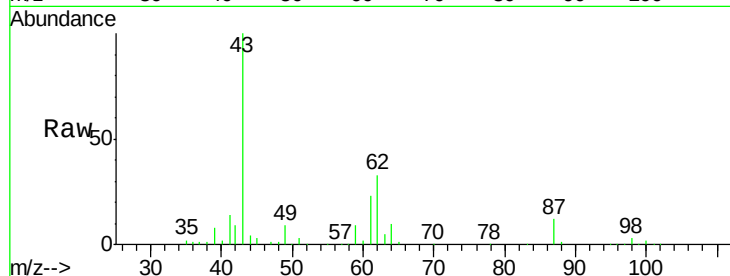
ClientSampled :

VSTDICCC050

Tot Ion:	43	Resp:	143331
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.3	36.5
87	12.6	10.1	15.1

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#44

Trichloroethene

Concen: 47.322 ug/l

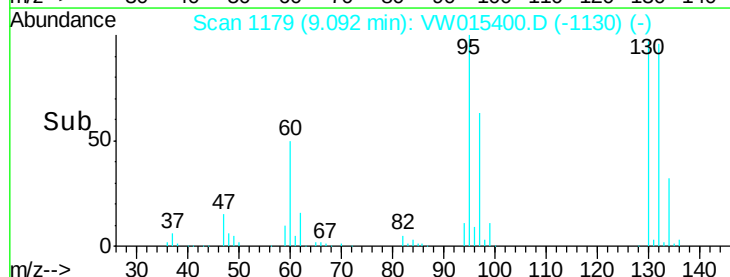
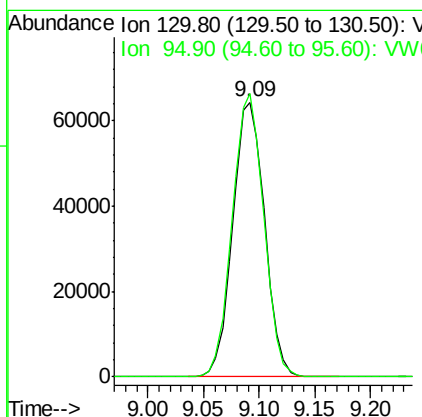
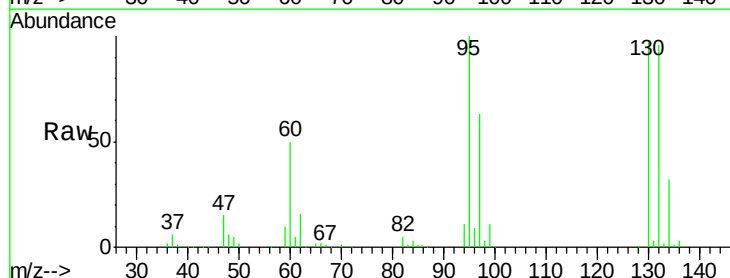
RT: 9.09 min Scan# 1179

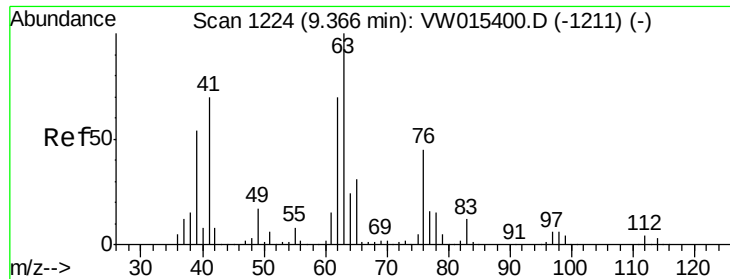
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	130	Resp:	127733
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	205.8





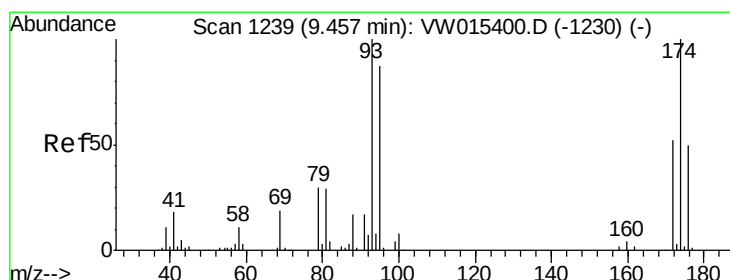
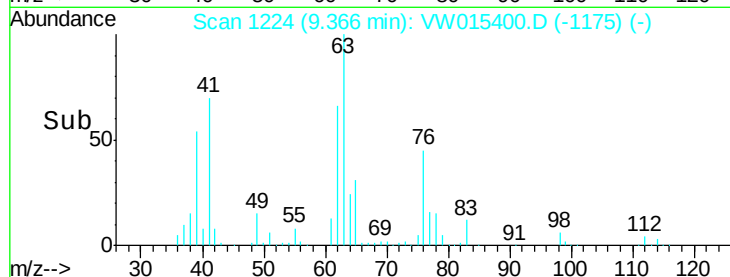
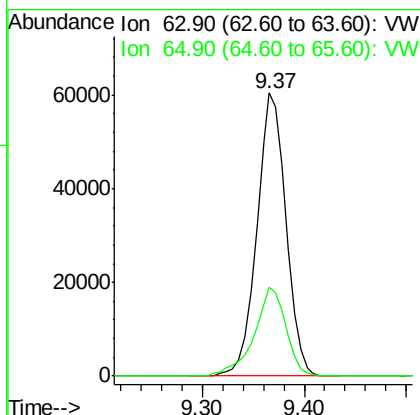
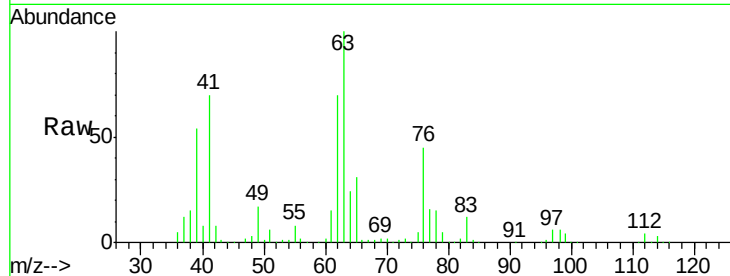
#45
 1,2-Dichloropropane
 Concen: 56.234 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 119765
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

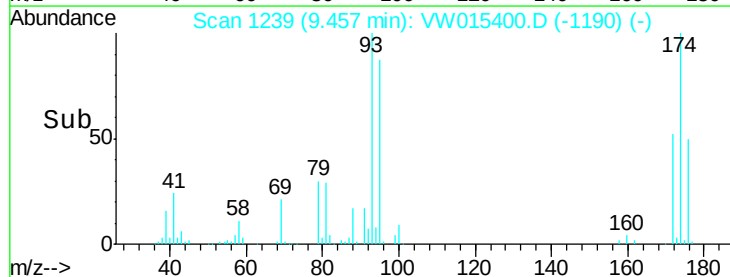
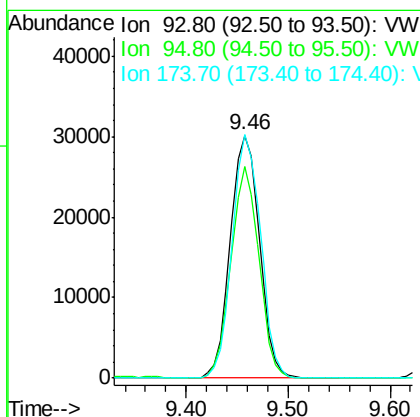
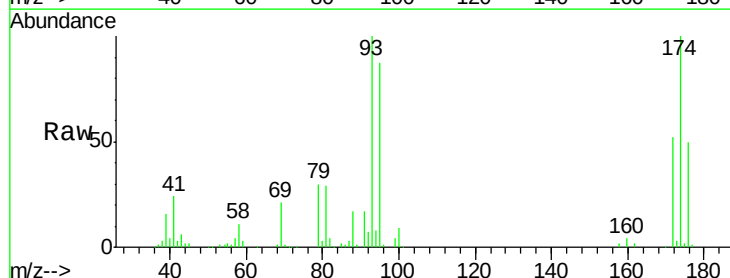
Manual Integrations
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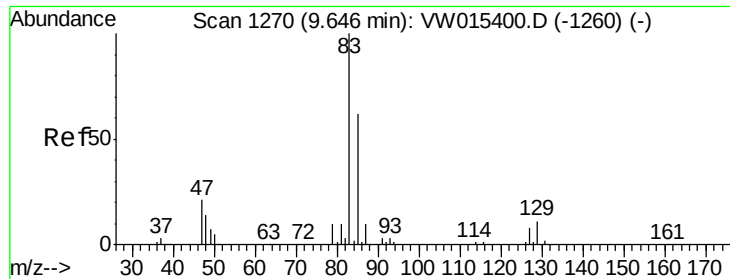
MMDadoda
 5/6/2020 12:11:59 PM



#46
 Dibromomethane
 Concen: 49.444 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion: 93 Resp: 59495
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 98.0 78.4 117.6





#47

Bromodichloromethane

Concen: 51.011 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

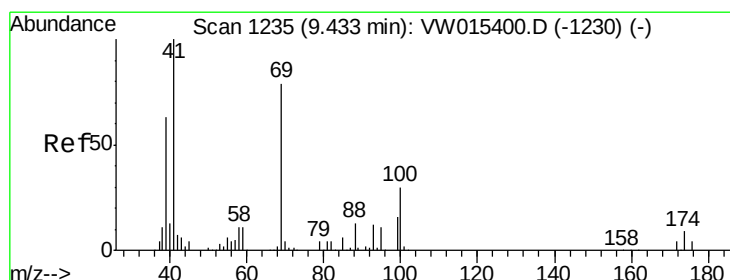
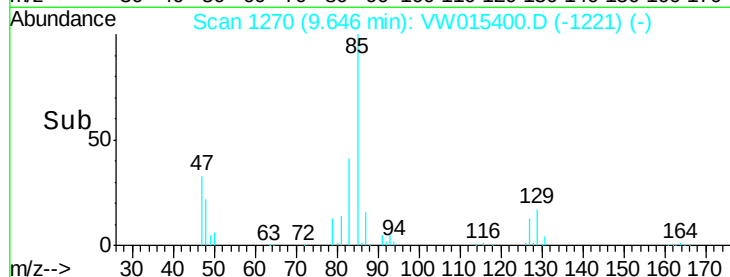
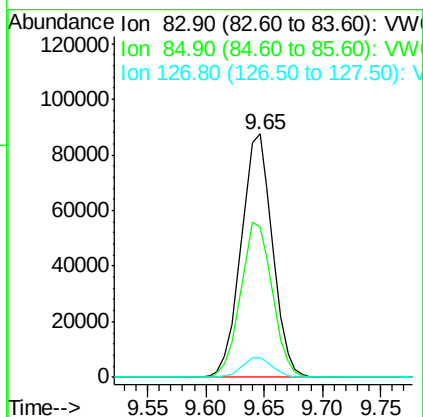
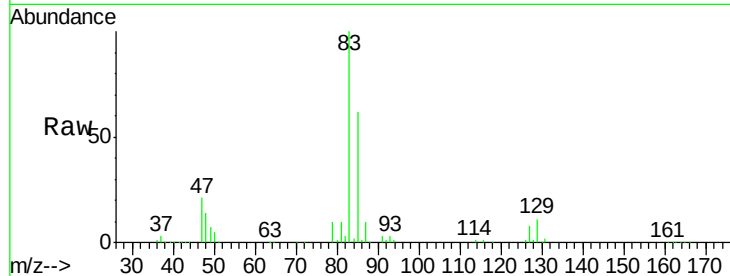
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	164702
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0
127	8.0	6.4	9.6

Manual Integrations
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5/6/2020 12:11:59 PM



#48

Methyl methacrylate

Concen: 61.194 ug/l

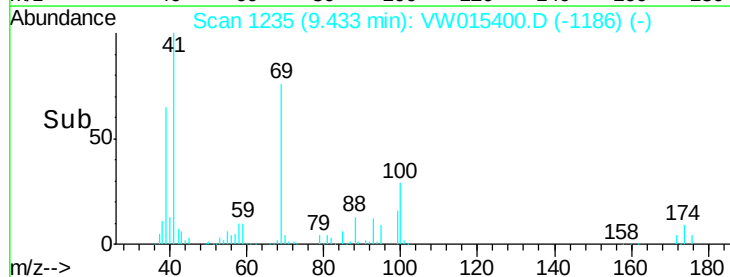
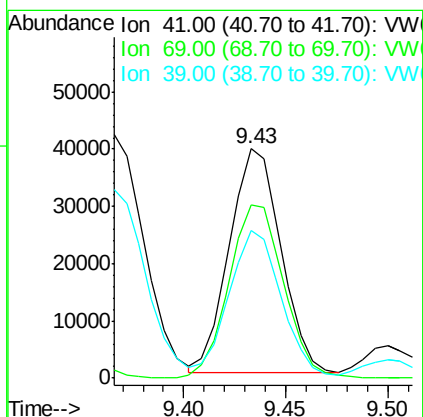
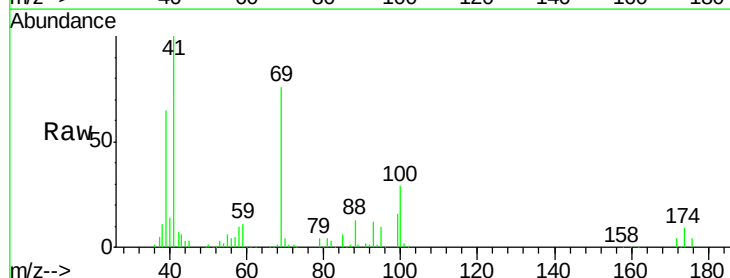
RT: 9.43 min Scan# 1235

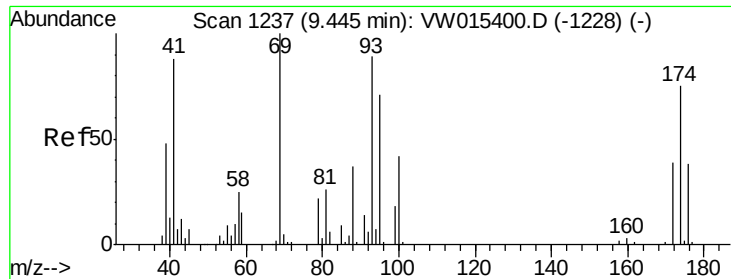
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	41	Resp:	68462
Ion	Ratio	Lower	Upper
41	100		
69	82.8	66.2	99.4
39	63.9	51.1	76.7





#49

1,4-Dioxane

Concen: 1009.426 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

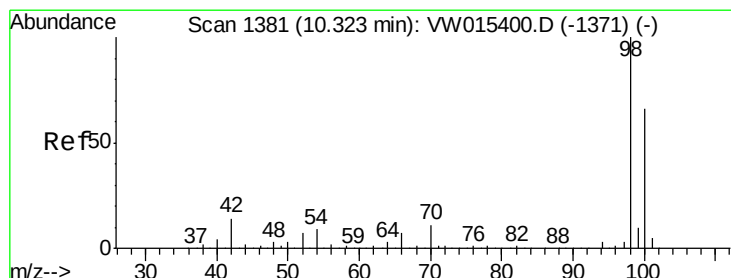
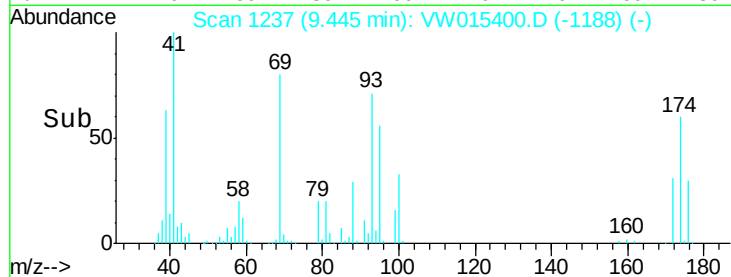
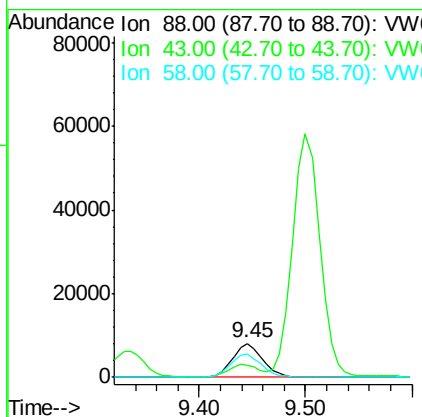
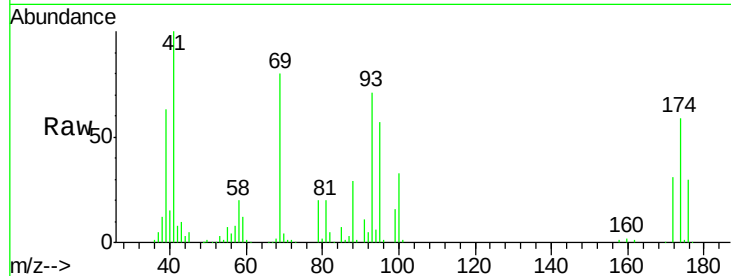
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	16032
Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.6	45.8
58	70.4	56.3	84.5

Manual Integrations
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#50

Toluene-d8

Concen: 51.826 ug/l

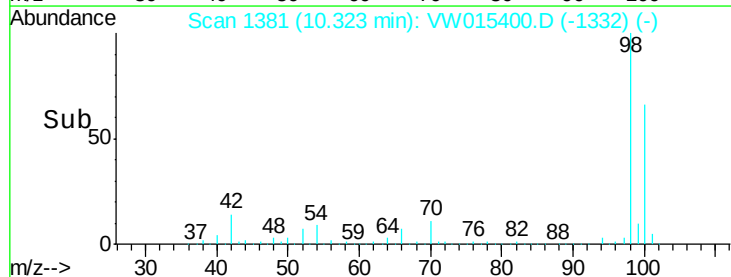
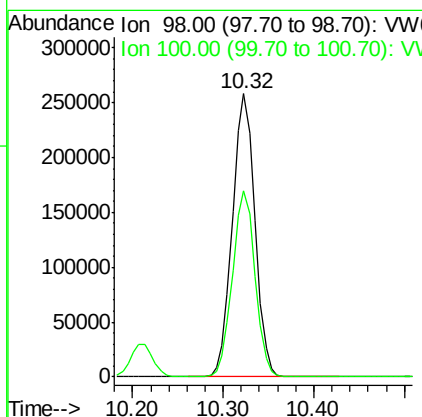
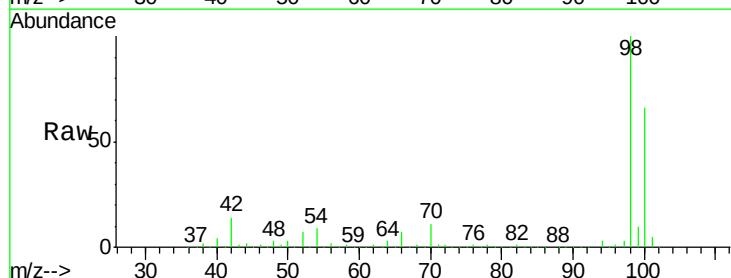
RT: 10.32 min Scan# 1381

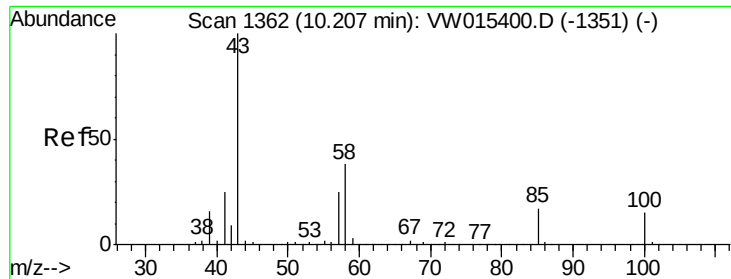
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	98	Resp:	444849
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 305.869 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 342765

Ion Ratio Lower Upper

43 100

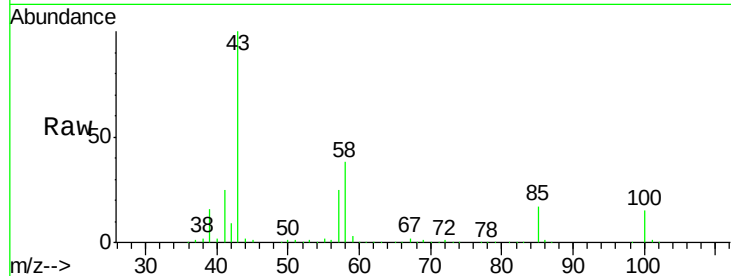
58 38.5 30.8 46.2

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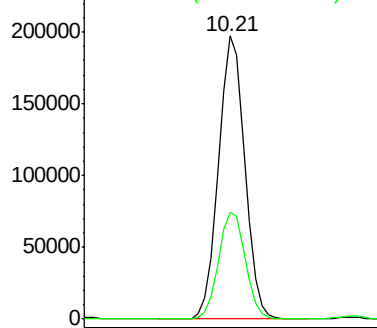
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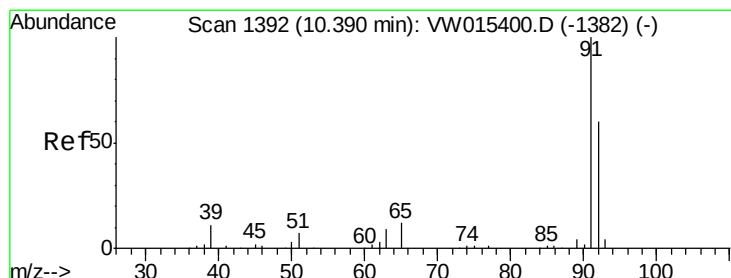
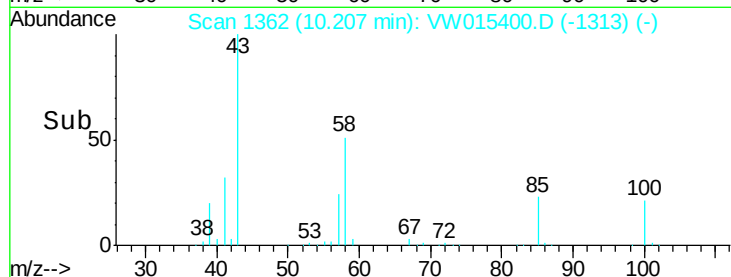


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#52

Toluene

Concen: 51.095 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015400.D

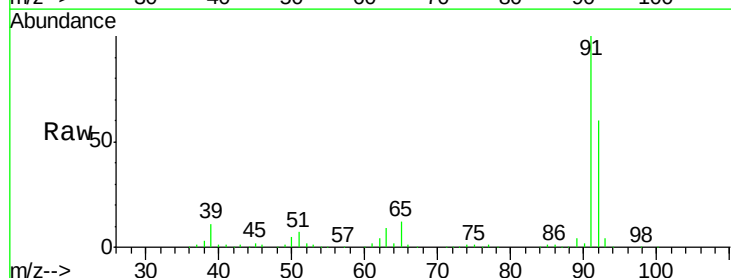
Acq: 05 May 2020 17:28

Tgt Ion: 92 Resp: 319855

Ion Ratio Lower Upper

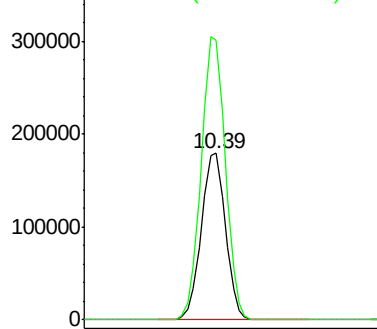
92 100

91 169.9 135.9 203.9

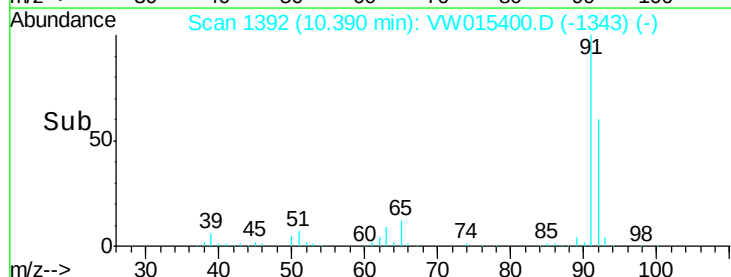


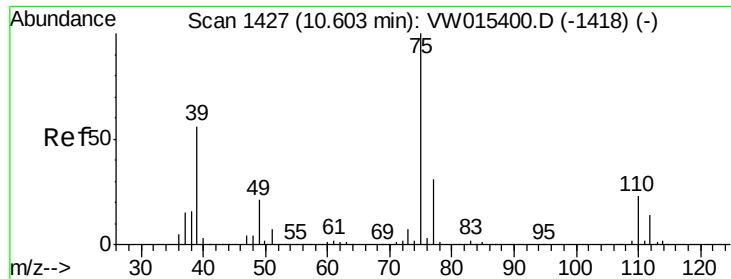
Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->





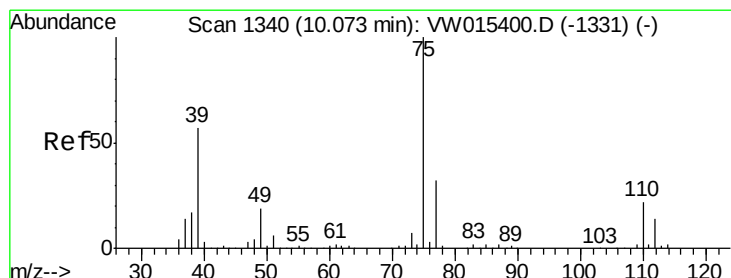
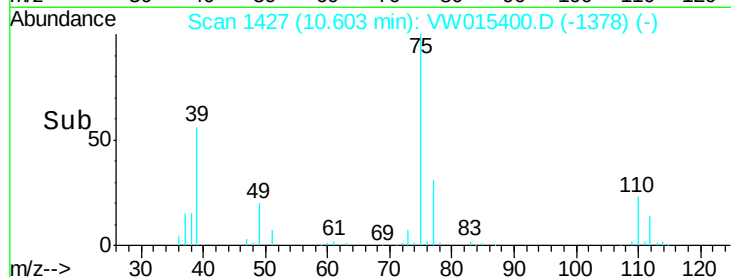
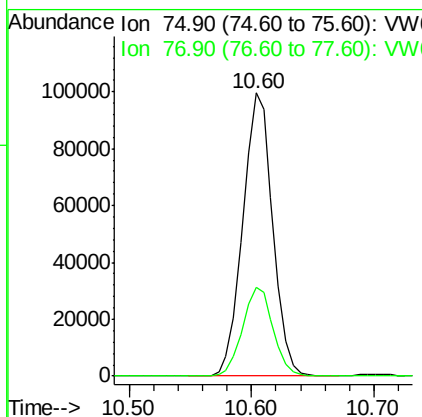
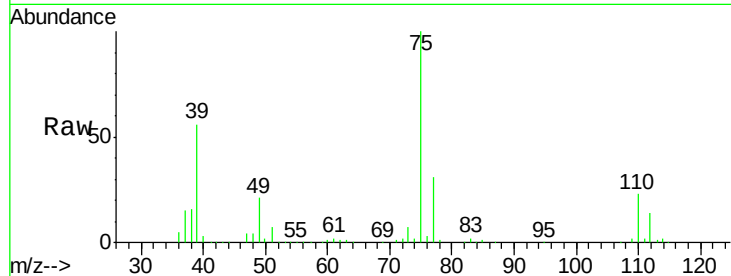
#53
 t-1,3-Dichloropropene
 Concen: 52.827 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

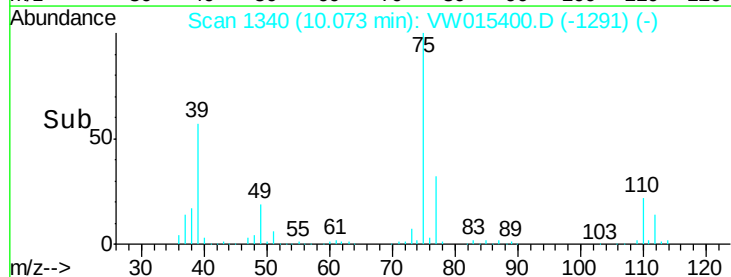
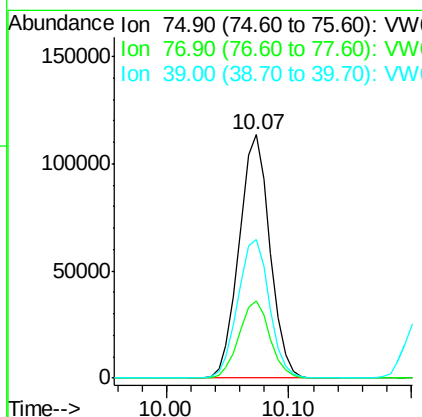
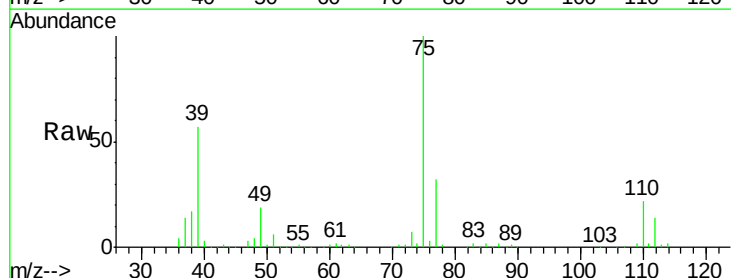
Manual Integrations
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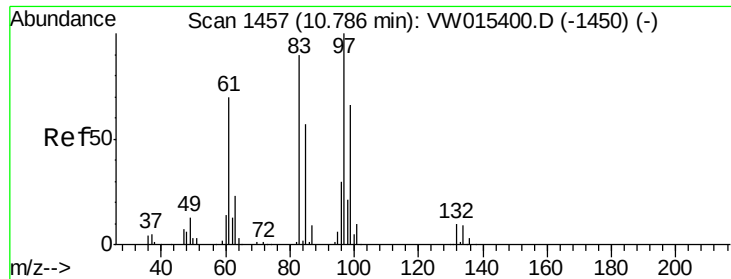
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#54
 cis-1,3-Dichloropropene
 Concen: 53.299 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	57.0	45.6	68.4





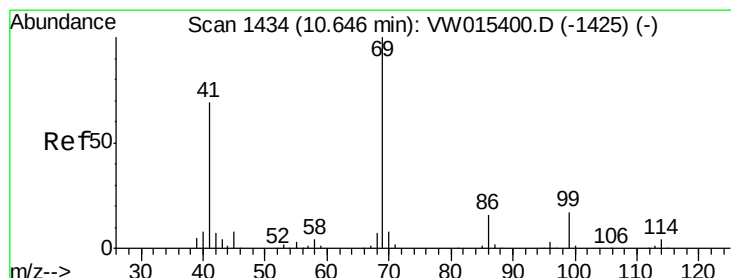
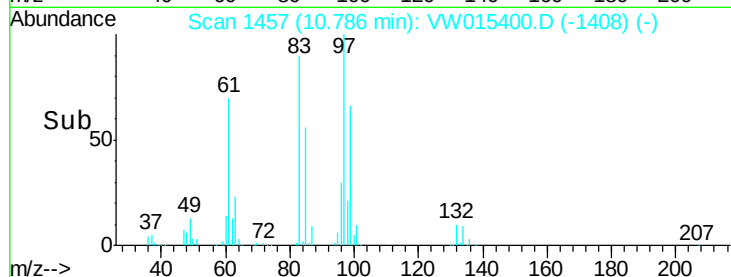
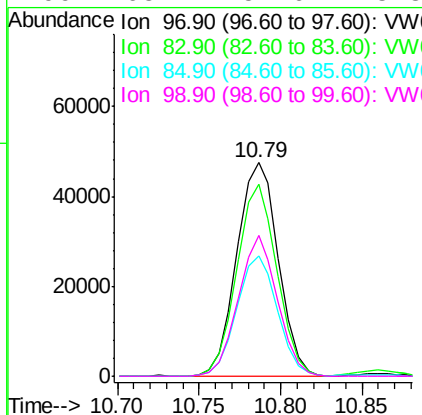
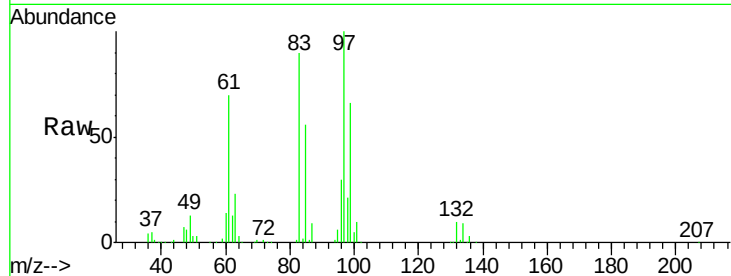
#55
 1,1,2-Trichloroethane
 Concen: 49.777 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	83896
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.2	108.4
85	56.5	45.2	67.8
99	65.7	52.6	78.8

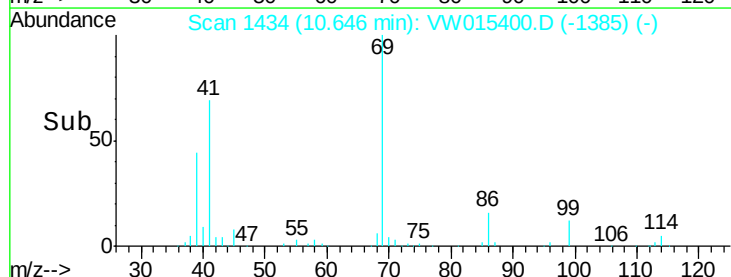
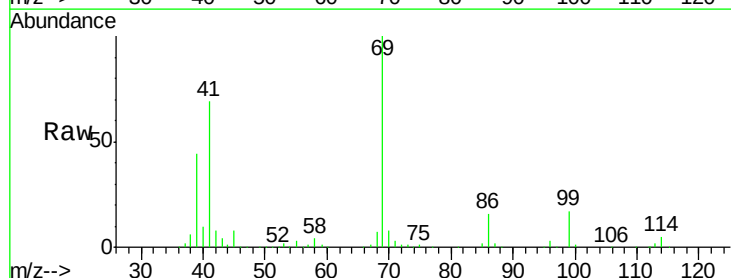
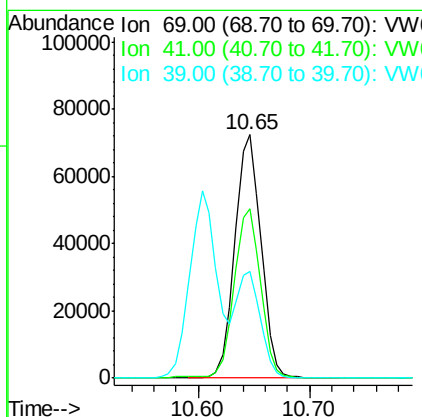
Manual Integrations
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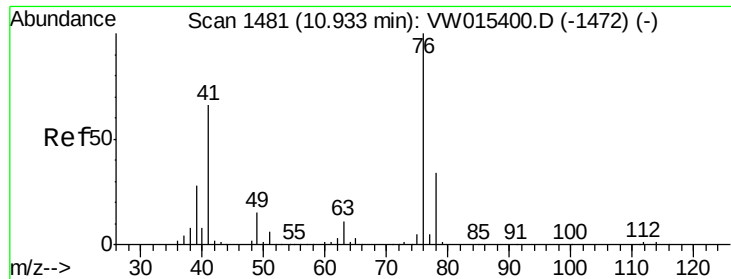
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#56
 Ethyl methacrylate
 Concen: 53.490 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion:	69	Resp:	117552
Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.3	82.9
39	39.9	31.9	47.9





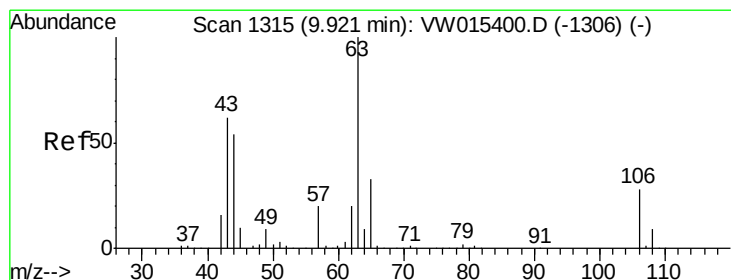
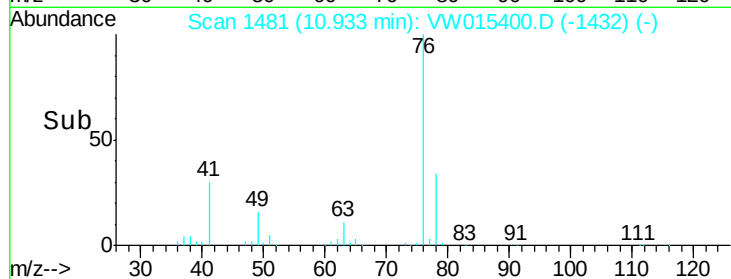
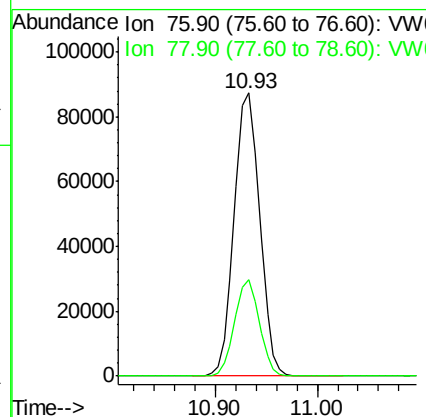
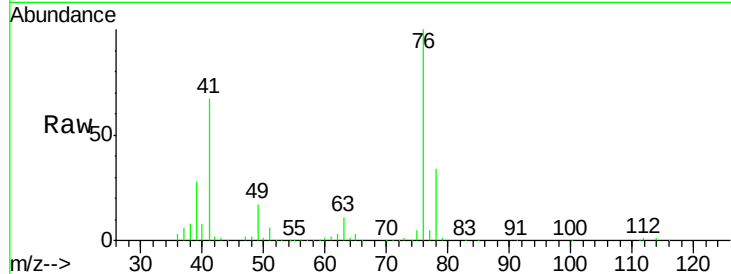
#57
 1,3-Dichloropropane
 Concen: 53.597 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

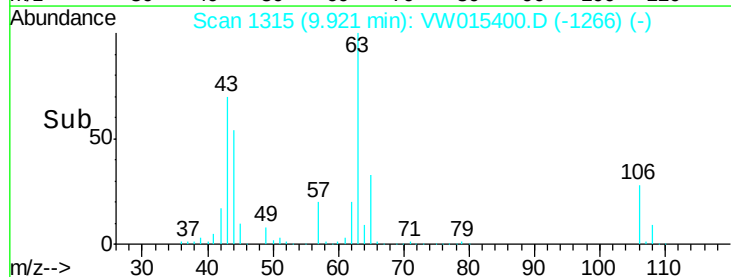
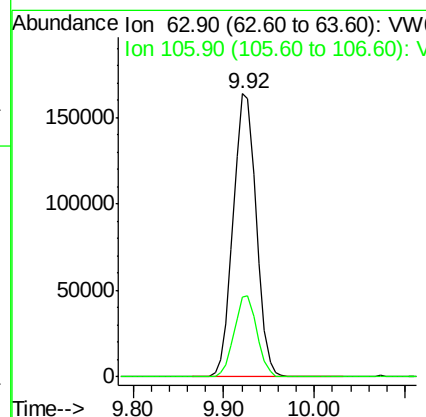
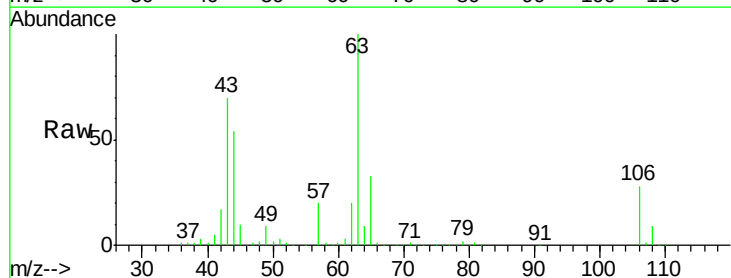
Manual Integrations
 APPROVED

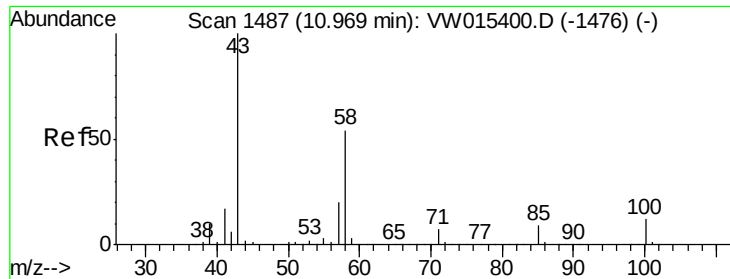
MMDadoda
 5/6/2020 12:11:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.922 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.6	33.8





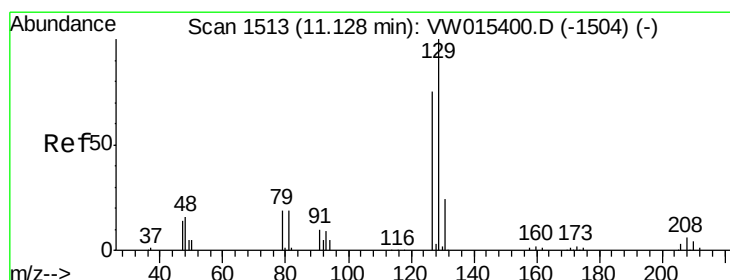
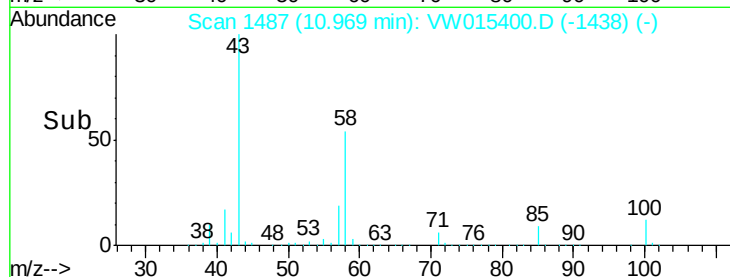
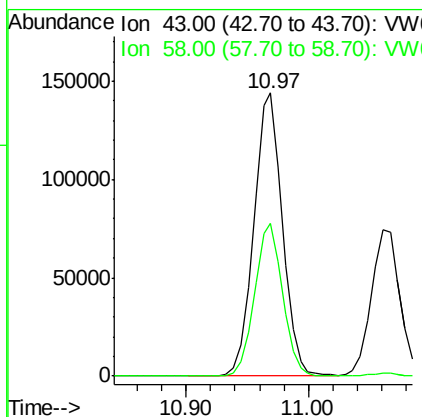
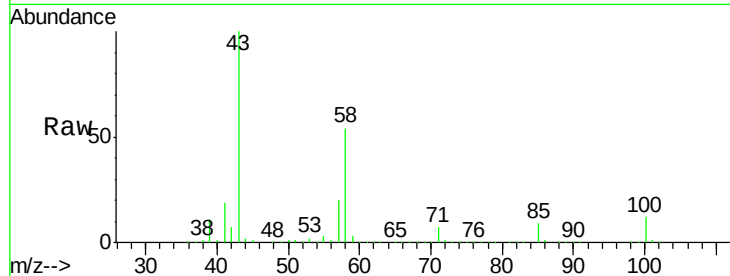
#59
2-Hexanone
Concen: 295.652 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 234011
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.0

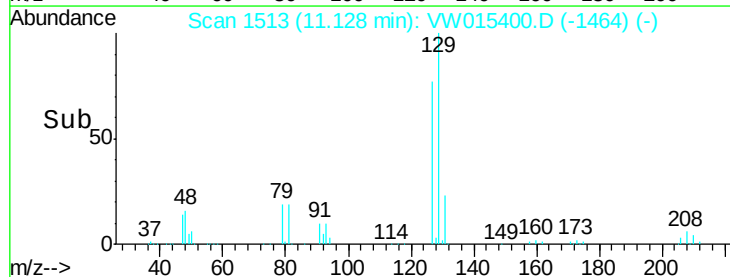
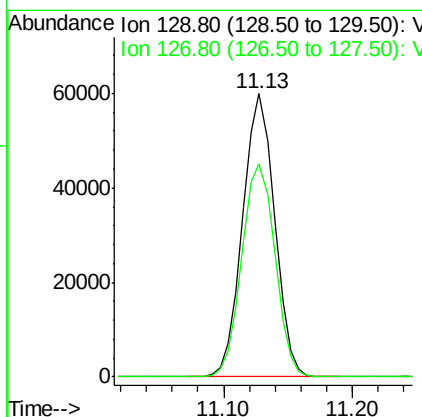
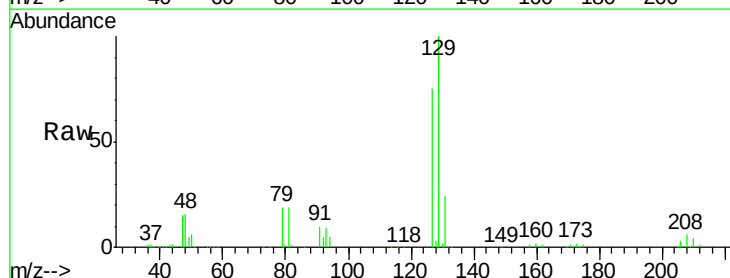
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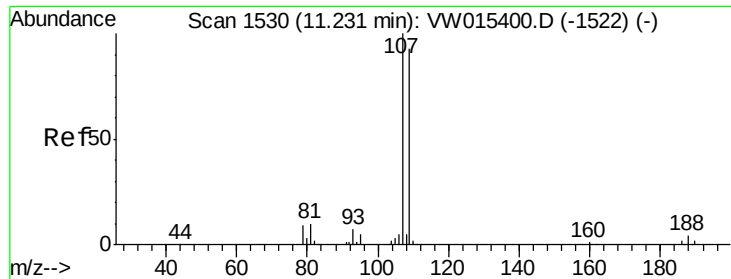
MMDadoda
5/6/2020 12:11:59 PM



#60
Dibromochloromethane
Concen: 46.814 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion: 129 Resp: 102681
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.565 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 107 Resp: 81190

Ion Ratio Lower Upper

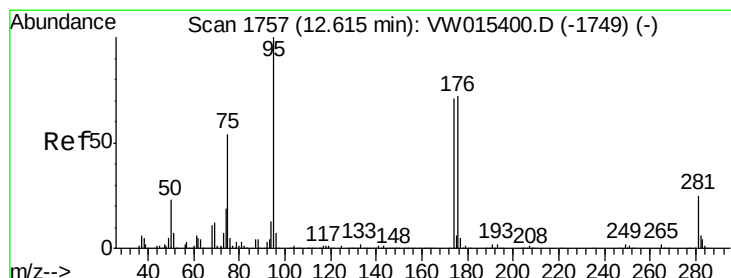
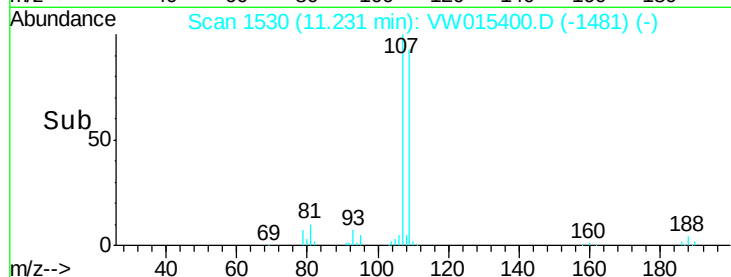
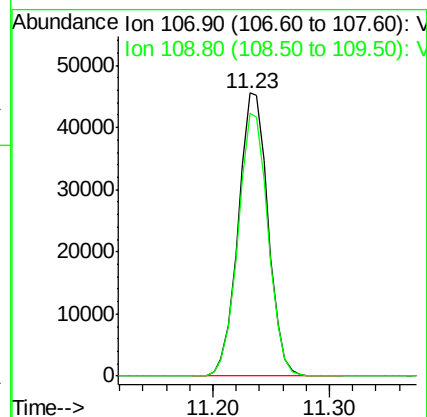
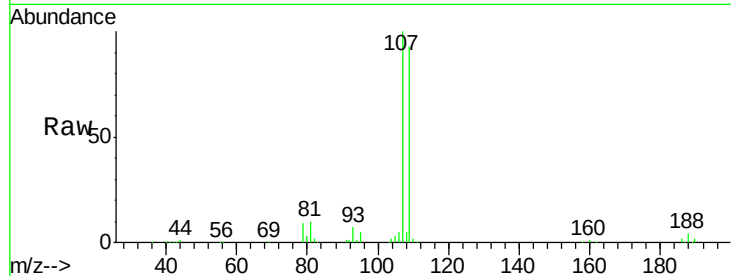
107 100

109 93.7 75.0 112.4

Manual Integrations
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5/6/2020 12:11:59 PM



#62

4-Bromofluorobenzene

Concen: 50.885 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

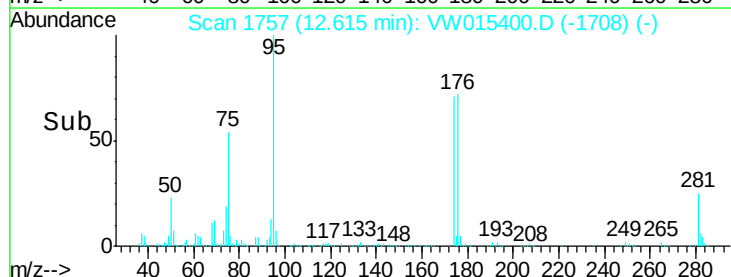
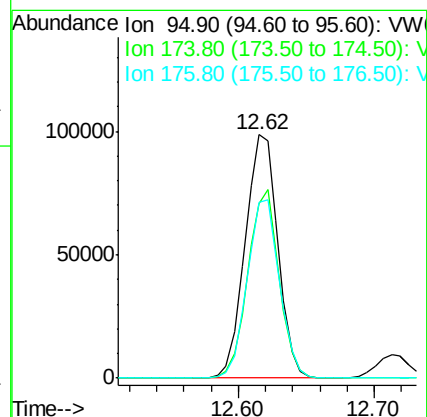
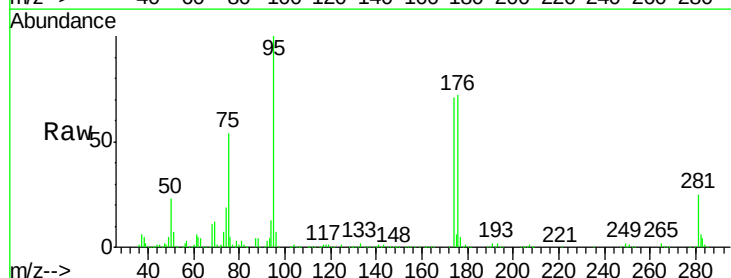
Tgt Ion: 95 Resp: 165712

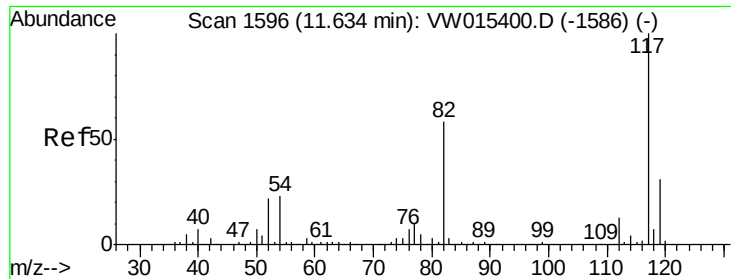
Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.6

176 72.2 0.0 144.4





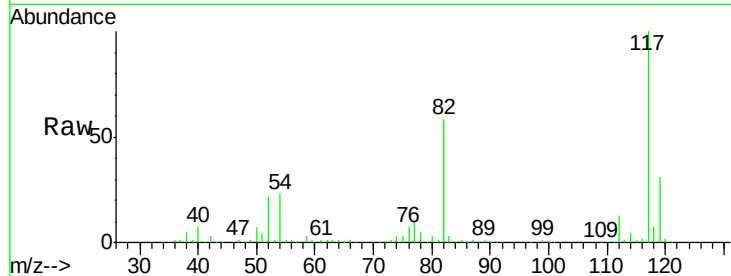
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	30.8	24.6	37.0

Manual Integrations
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MMDadoda
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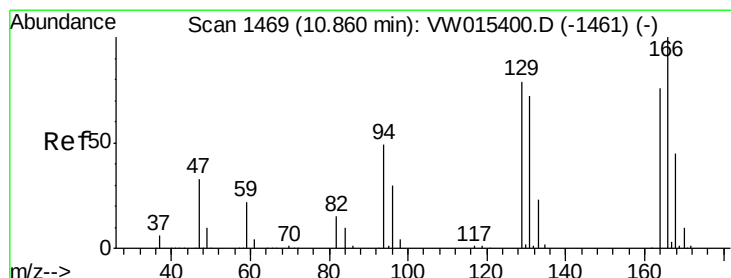
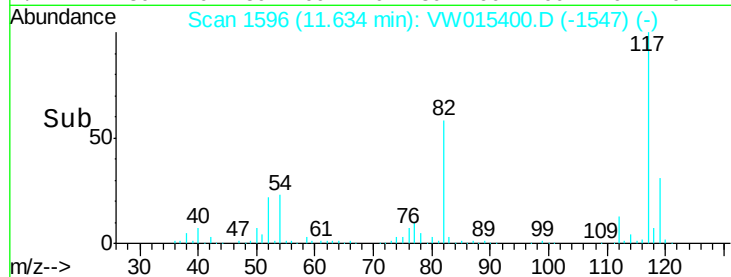
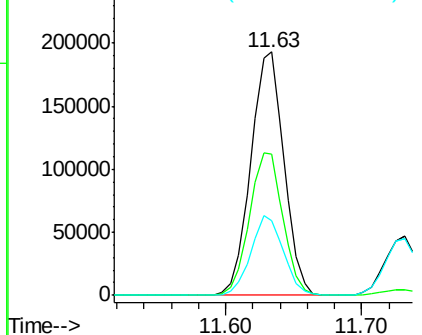


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 43.842 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.9	157.3
129	103.4	82.7	124.1
131	94.4	75.5	113.3

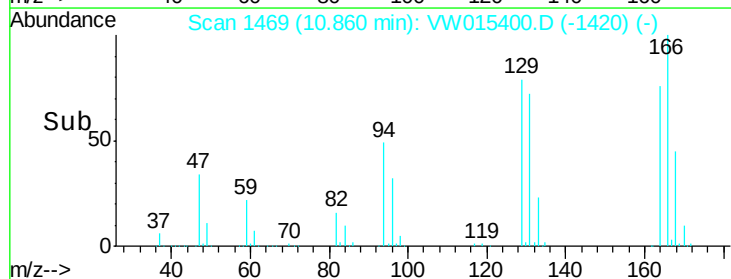
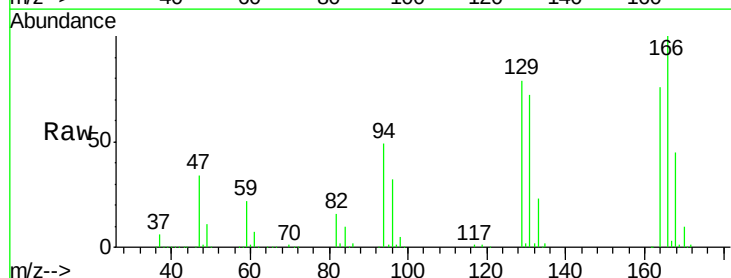
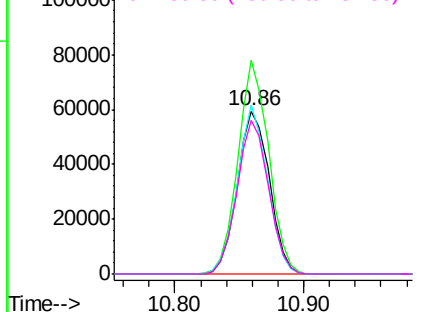
Abundance

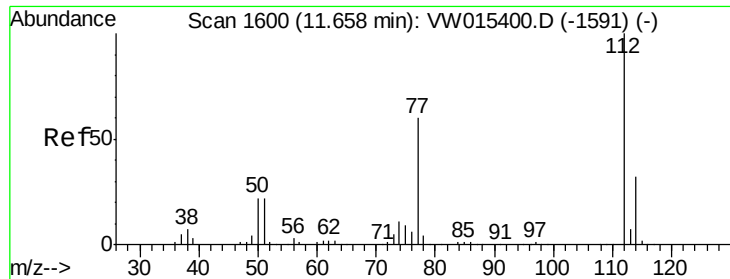
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.904 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 326556

Ion Ratio Lower Upper

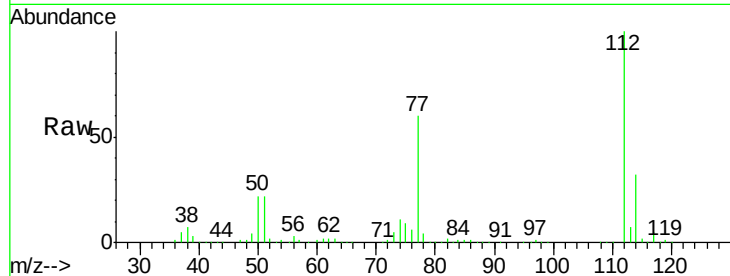
112 100

114 32.0 25.6 38.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

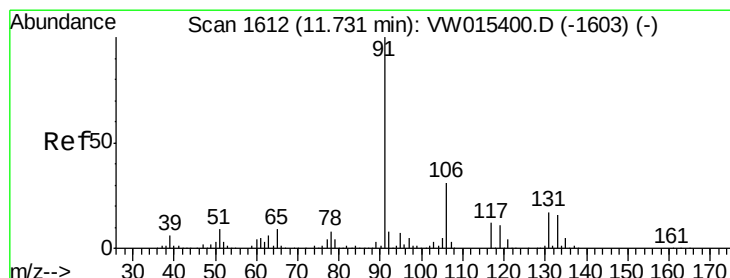
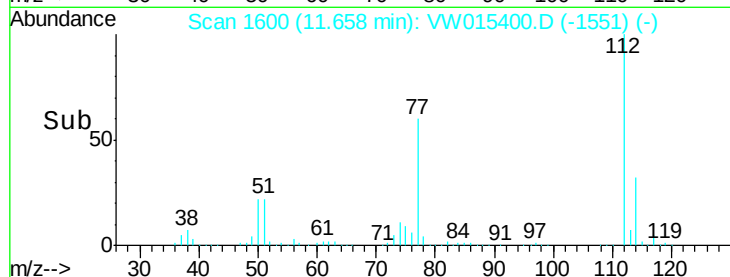
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.317 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

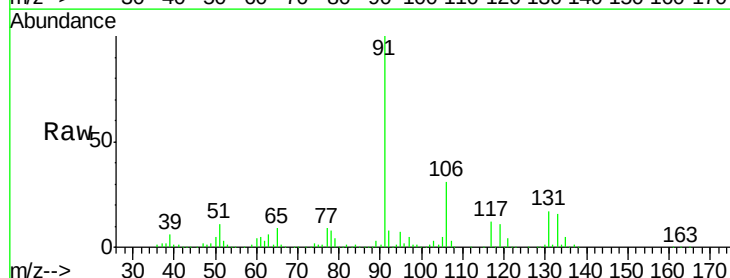
Tgt Ion:131 Resp: 115807

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.8

119 66.0 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

80000

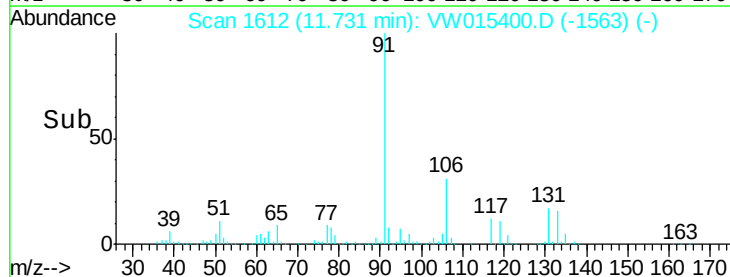
60000

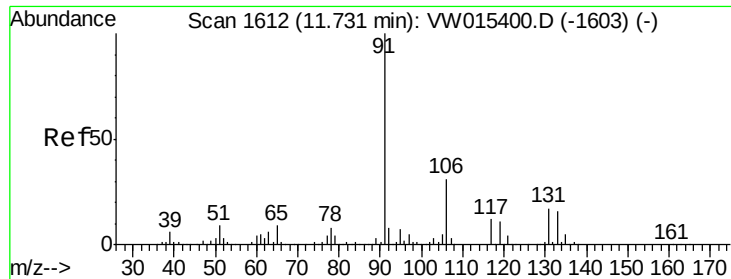
40000

20000

0

Time-->





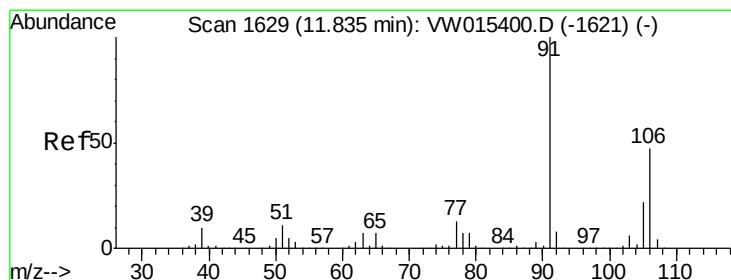
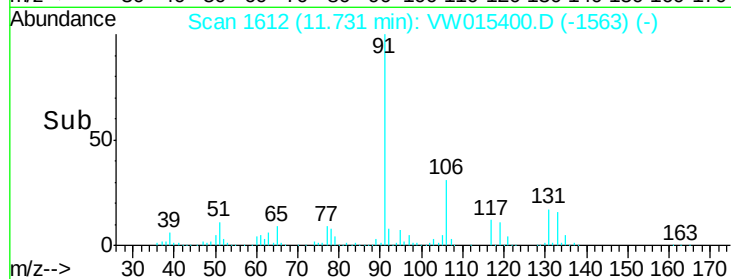
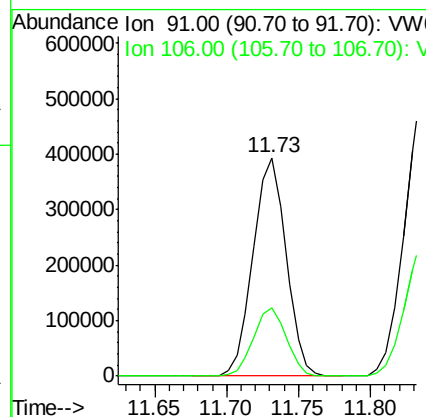
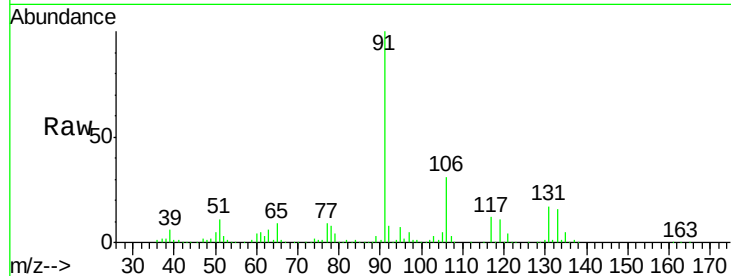
#67
Ethyl Benzene
Concen: 50.873 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 623312
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

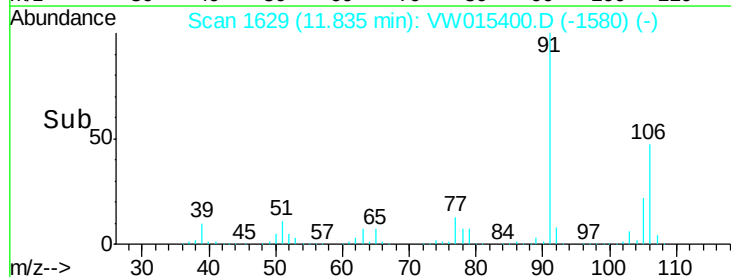
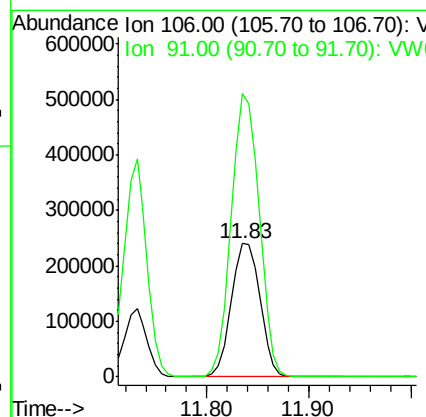
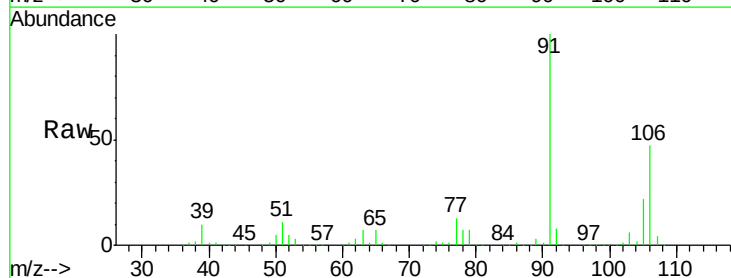
Manual Integrations
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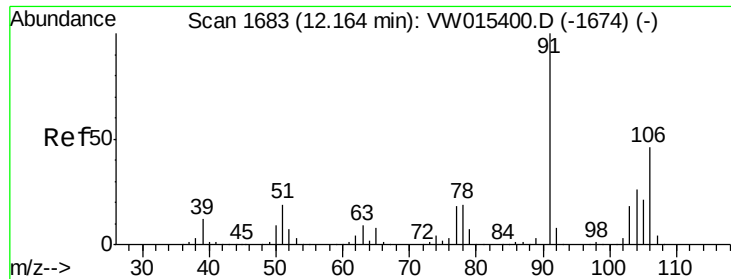
MMDadoda
5/6/2020 12:11:59 PM



#68
m/p-Xylenes
Concen: 98.344 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion: 106 Resp: 467409
Ion Ratio Lower Upper
106 100
91 207.1 165.7 248.5





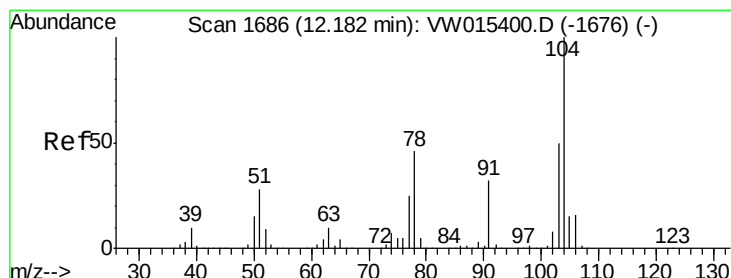
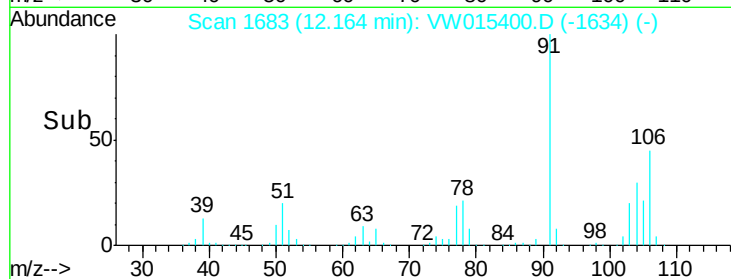
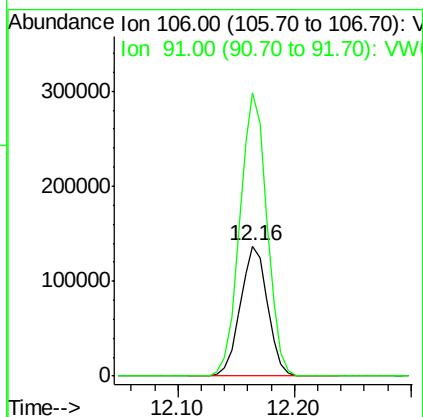
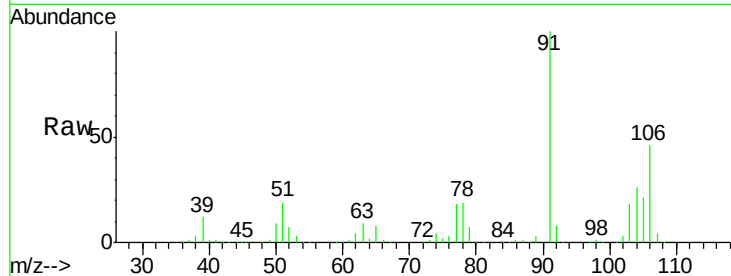
#69
o-Xylene
Concen: 49.911 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 222209
Ion Ratio Lower Upper
106 100
91 218.0 109.0 327.0

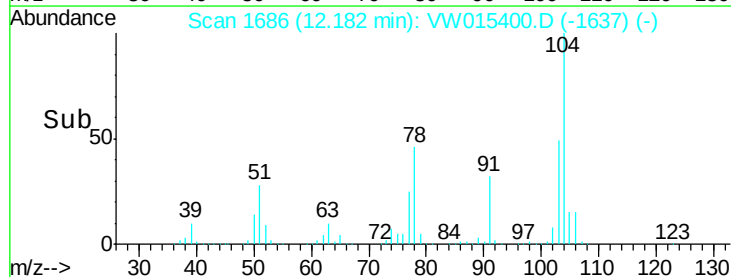
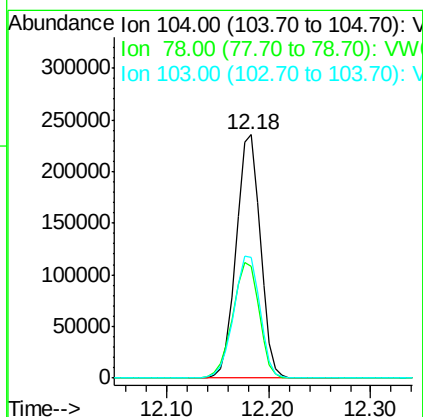
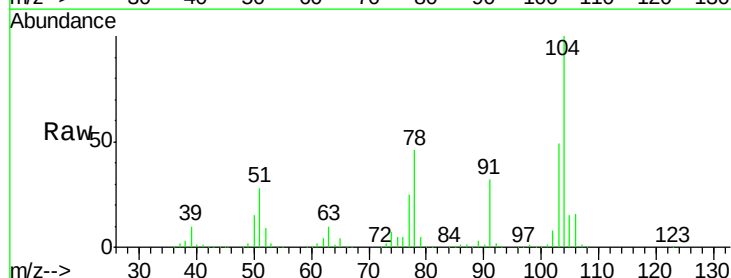
Manual Integrations
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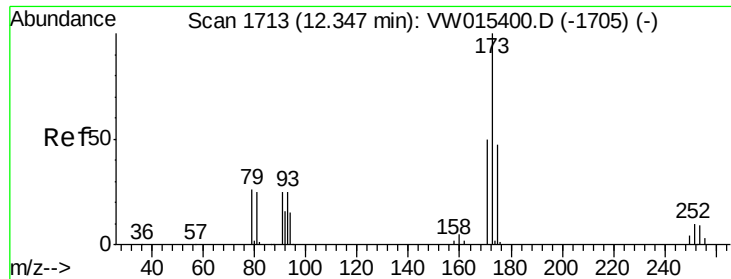
MMDadoda
5/6/2020 12:11:59 PM



#70
Styrene
Concen: 50.515 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion:104 Resp: 383952
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 54.5 43.6 65.4





#71

Bromoform

Concen: 45.211 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 58885

Ion Ratio Lower Upper

173 100

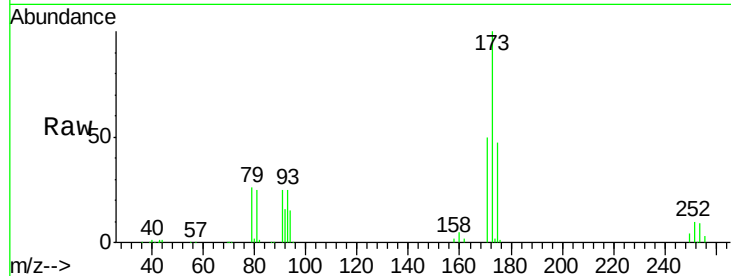
175 47.6 23.8 71.4

254 0.0 0.0 0.0#

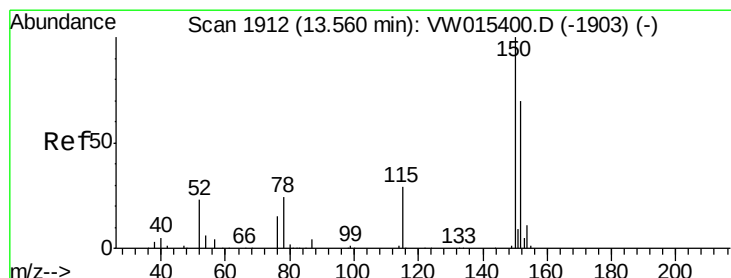
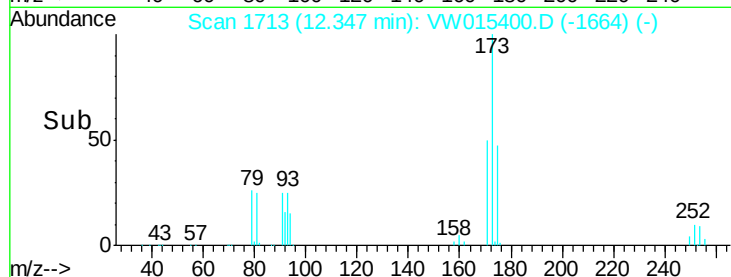
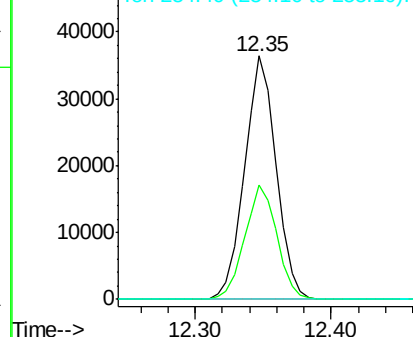
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

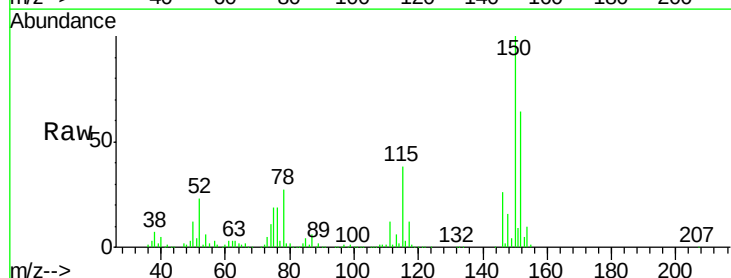
Tgt Ion:152 Resp: 168385

Ion Ratio Lower Upper

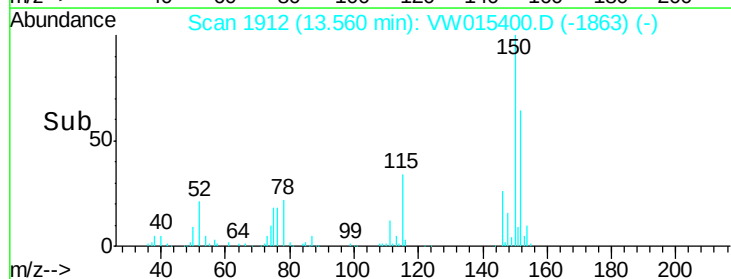
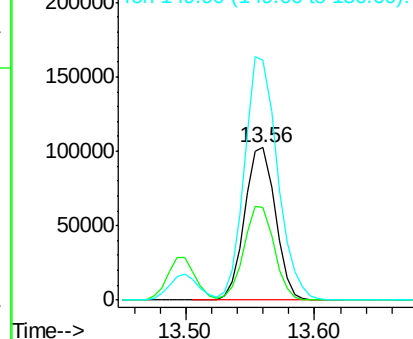
152 100

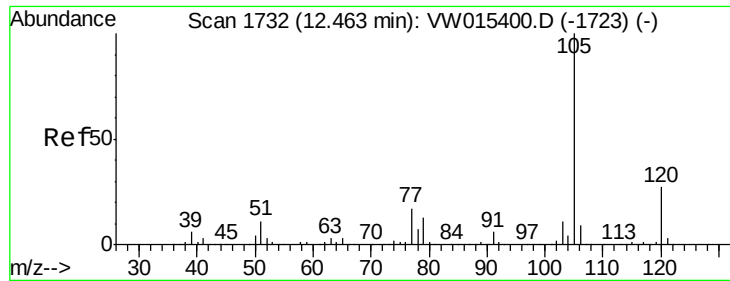
115 60.5 30.3 90.8

150 172.2 0.0 344.4



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





#73

Isopropylbenzene

Concen: 52.017 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 620301

Ion Ratio Lower Upper

105 100

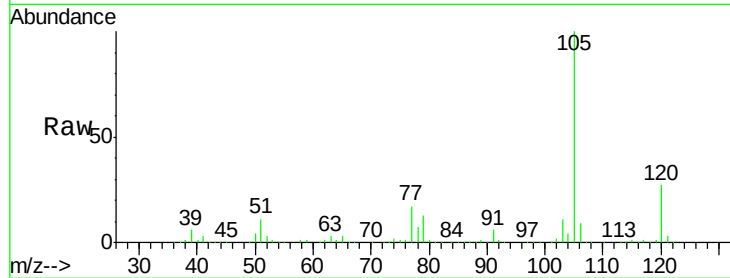
120 26.2 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

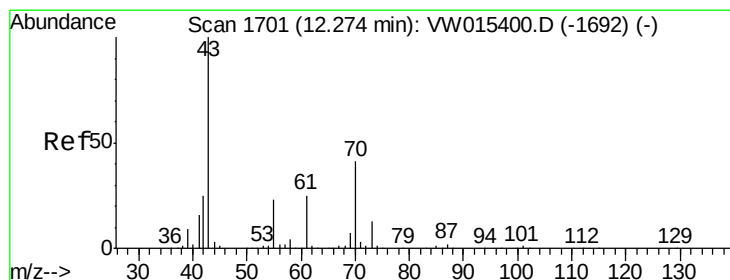
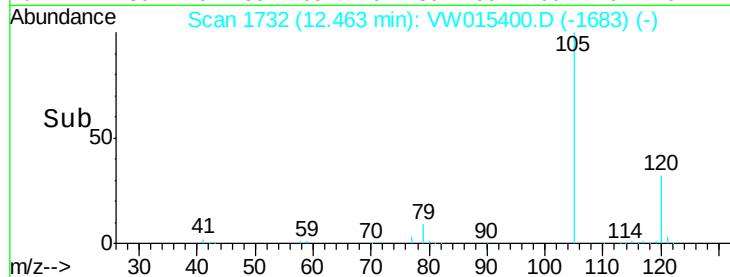
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 65.487 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion: 43 Resp: 143390

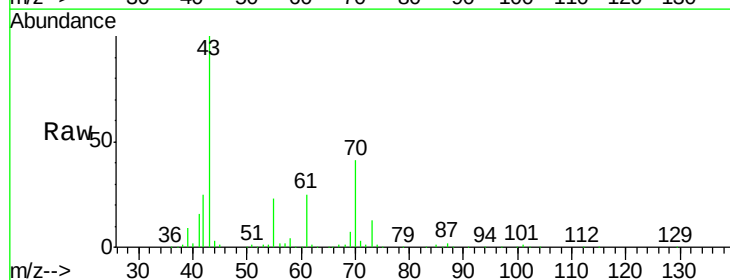
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.6 18.9 28.3

61 24.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

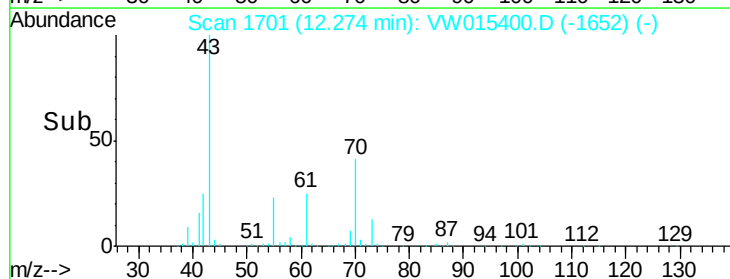
12.27

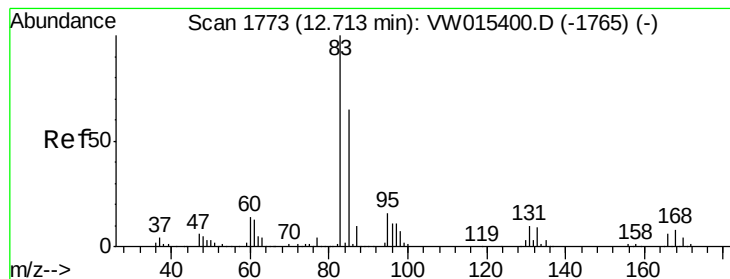
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.922 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

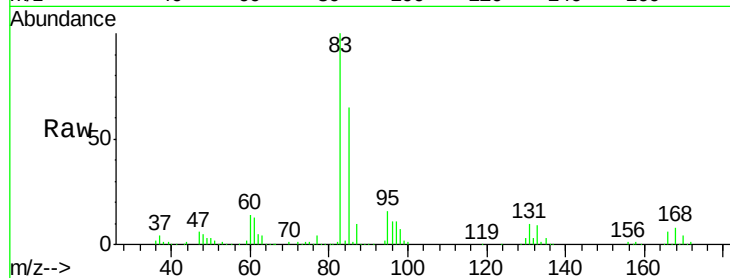
ClientSampleId :

VSTDICCC050

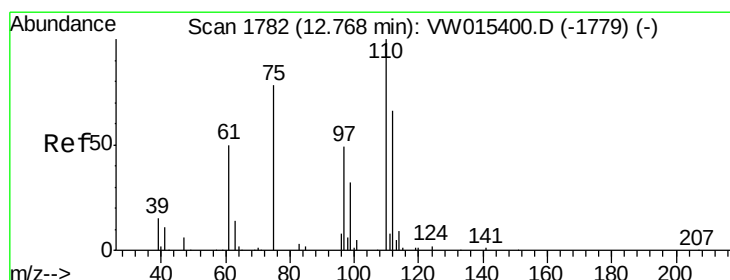
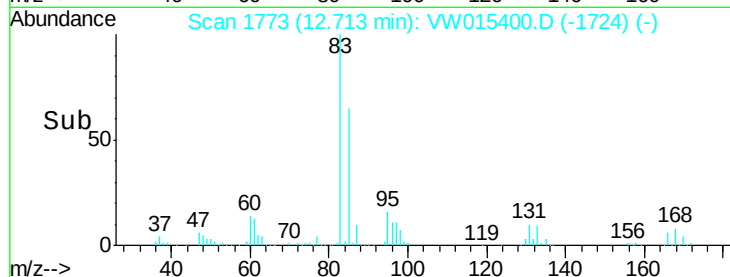
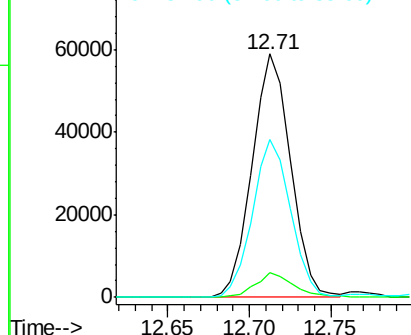
Tot Ion:	83	Resp:	96787
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.4	32.2	96.6

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 57.973 ug/l m

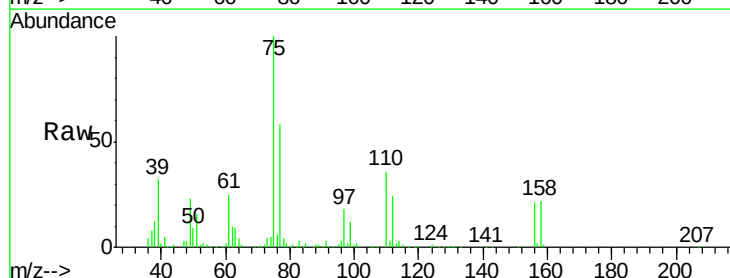
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

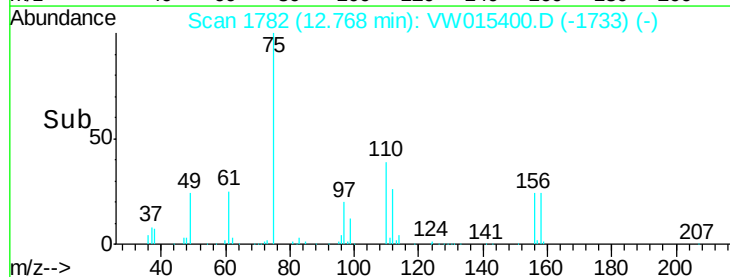
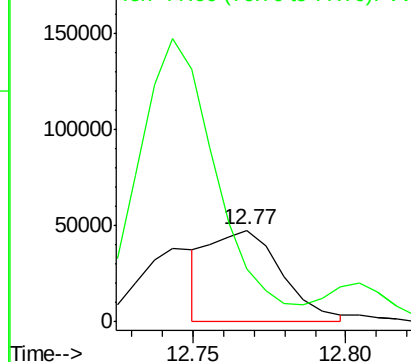
Lab File: VW015400.D

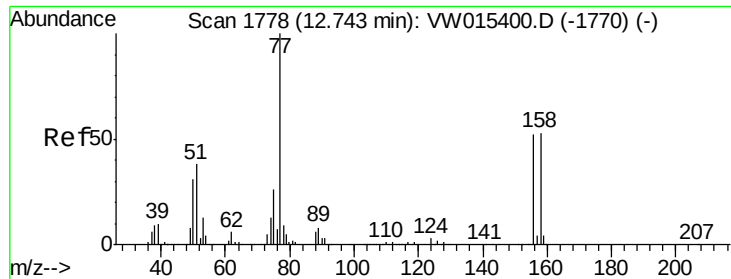
Acq: 05 May 2020 17:28

Tgt Ion:	75	Resp:	79022
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.731 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

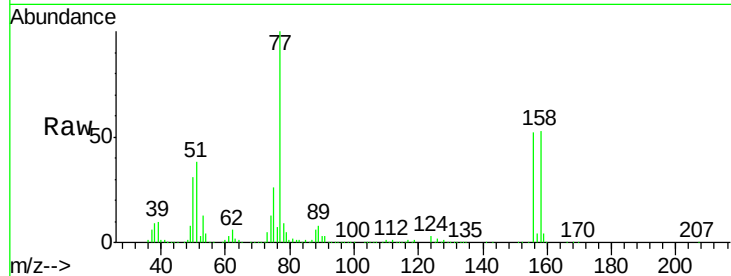
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	130982
Ion	Ratio	Lower	Upper
156	100		
77	203.7	101.8	305.6
158	96.5	48.3	144.8

Manual Integrations
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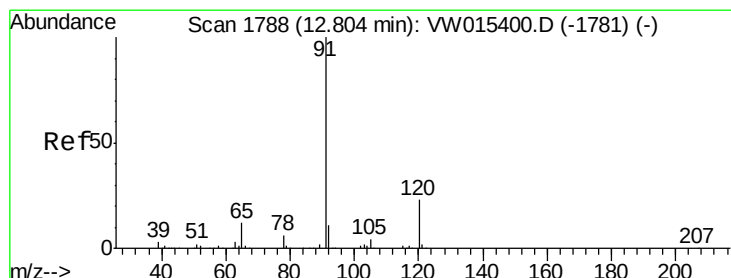
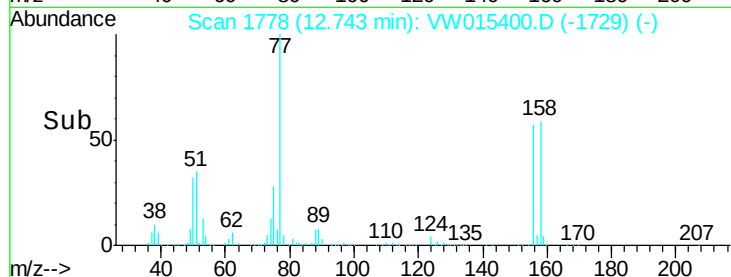
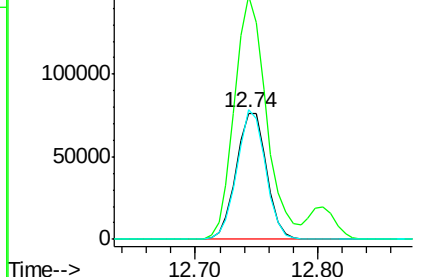
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.681 ug/l

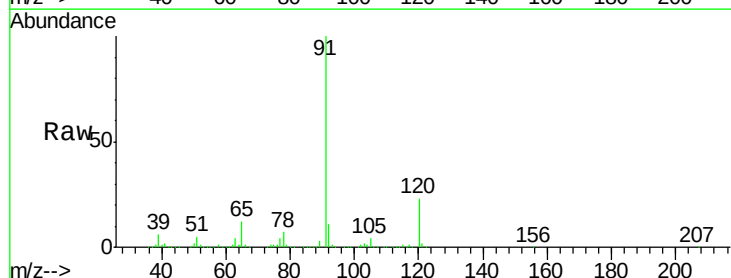
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015400.D

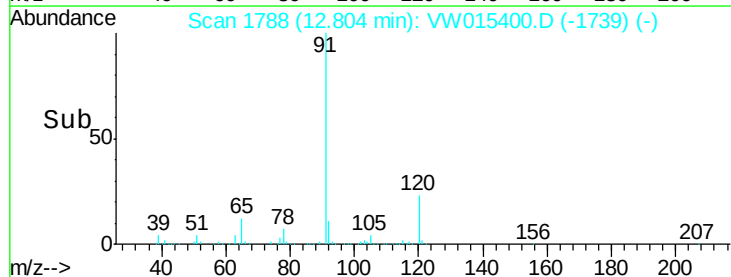
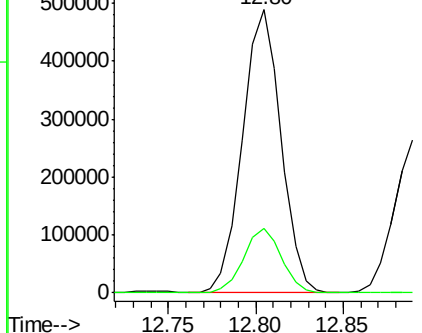
Acq: 05 May 2020 17:28

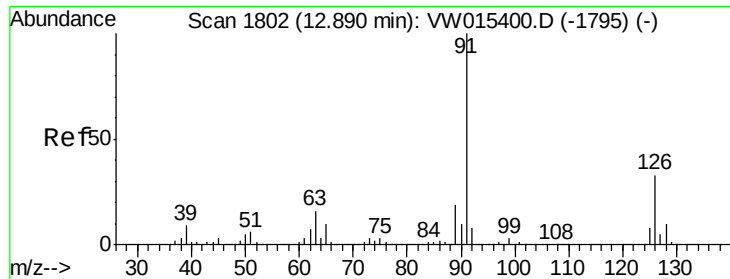
Tgt Ion:	91	Resp:	748333
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.911 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 423465

Ion Ratio Lower Upper

91 100

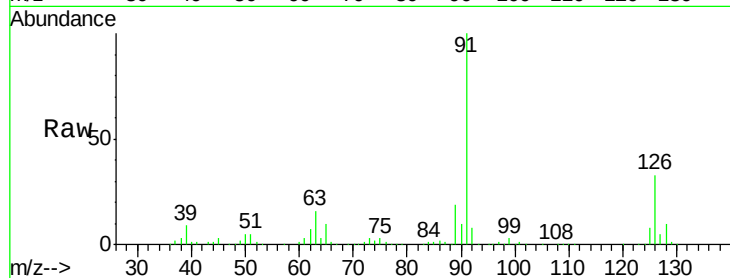
126 32.1 16.1 48.2

Manual Integrations

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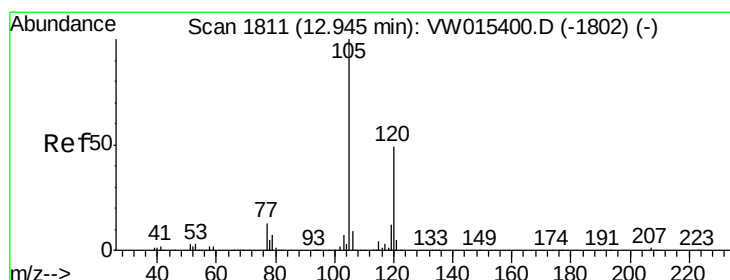
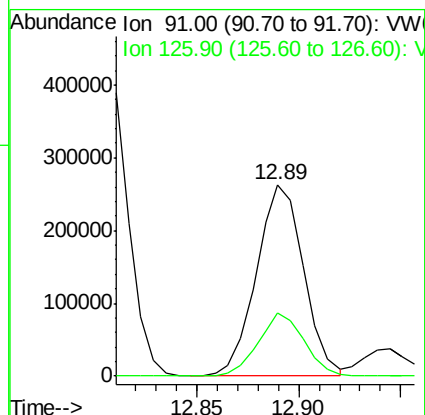
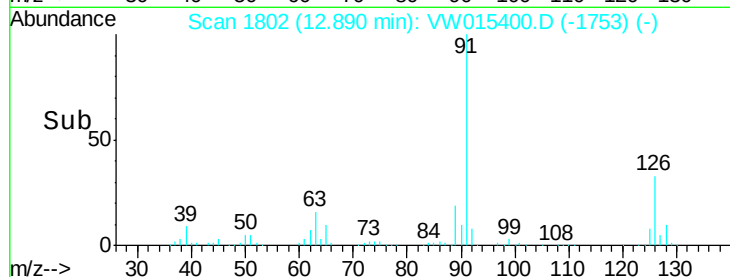
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.828 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015400.D

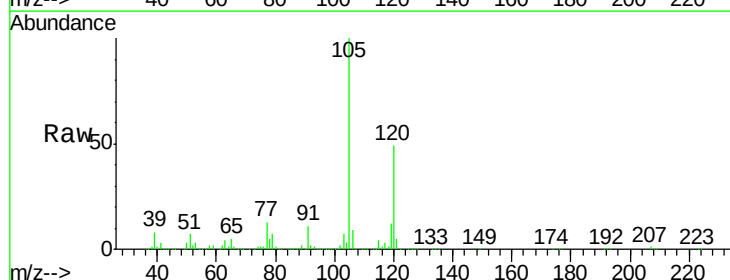
Acq: 05 May 2020 17:28

Tgt Ion:105 Resp: 530131

Ion Ratio Lower Upper

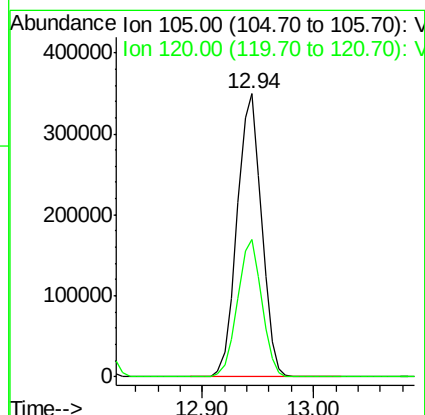
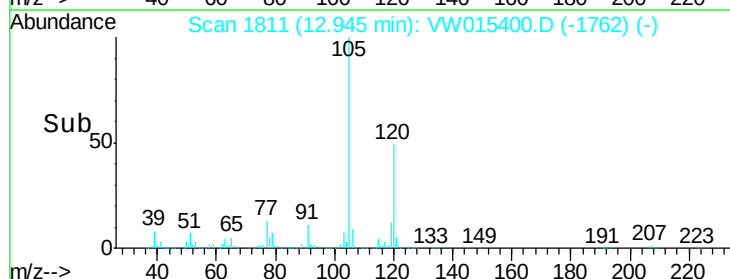
105 100

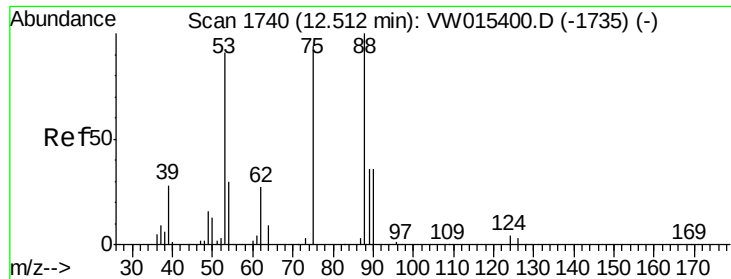
120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





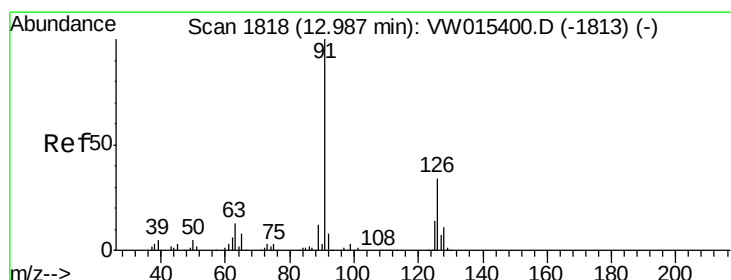
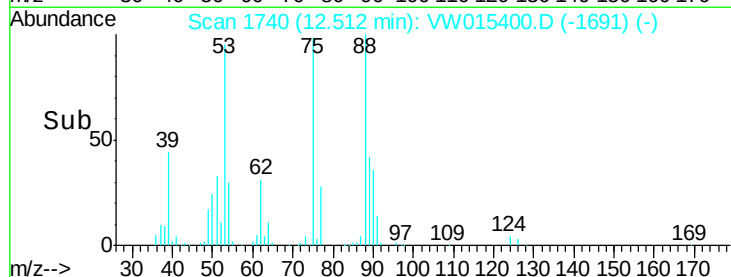
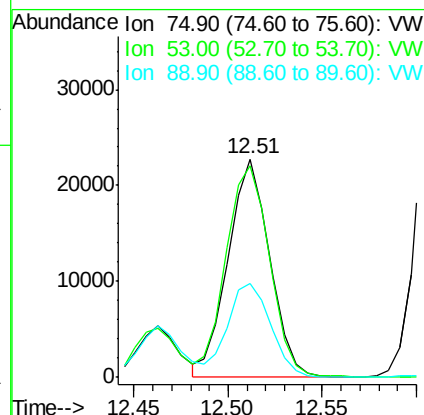
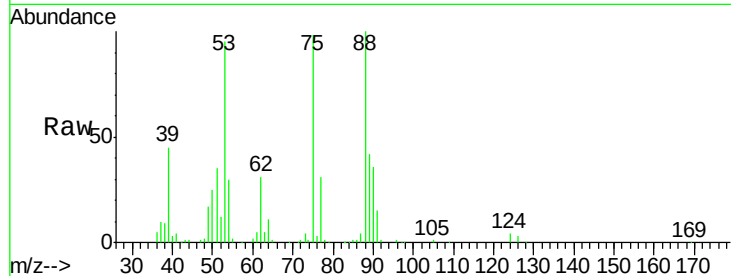
#81
trans-1,4-Dichloro-2-butene
Concen: 56.127 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.1	82.5	123.7
89	44.8	35.8	53.8

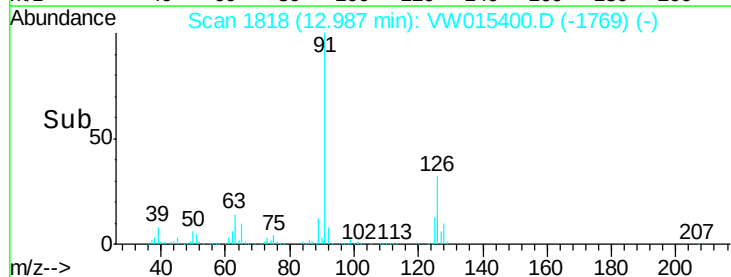
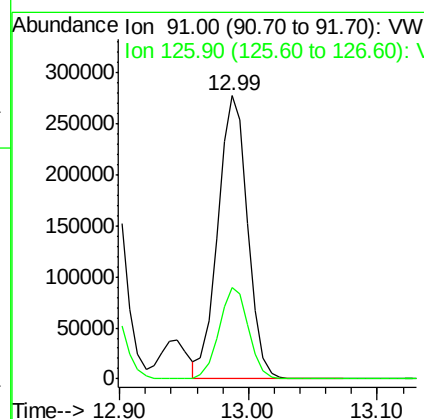
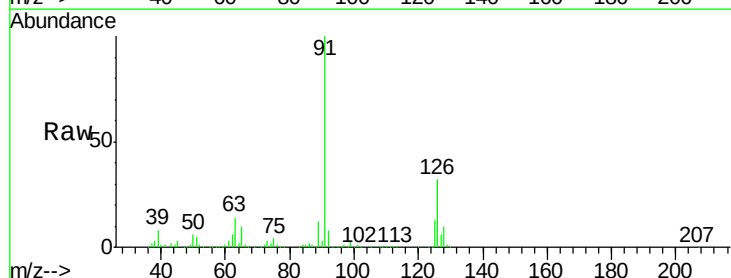
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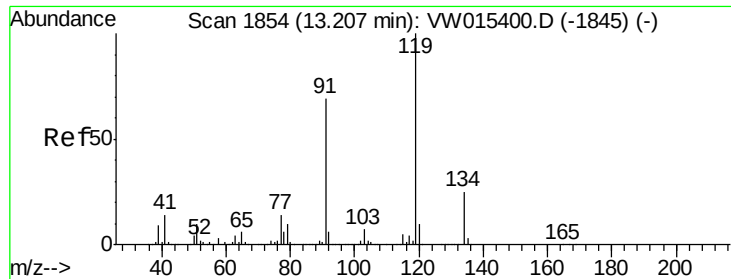
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#82
4-Chlorotoluene
Concen: 53.780 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





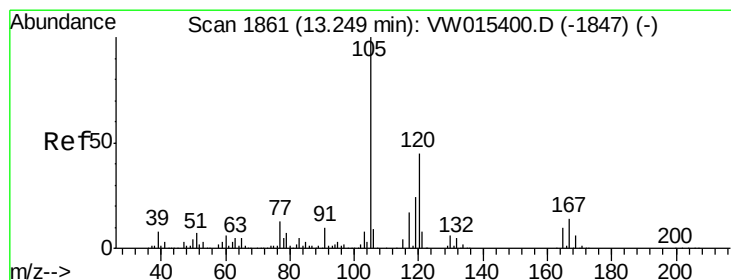
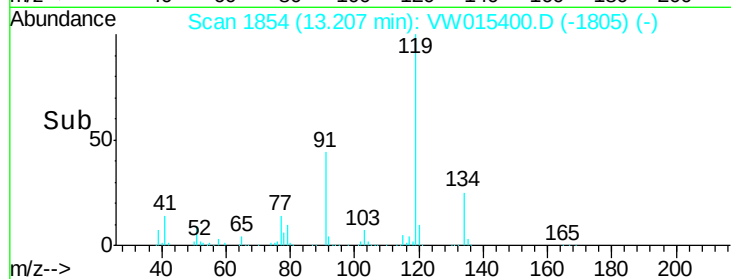
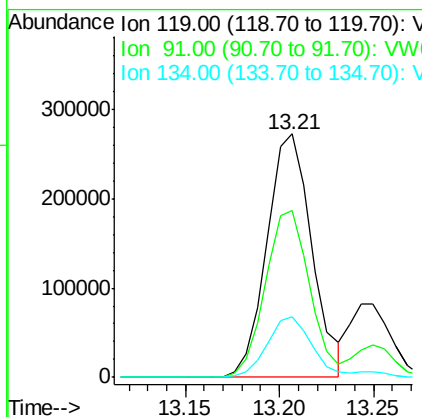
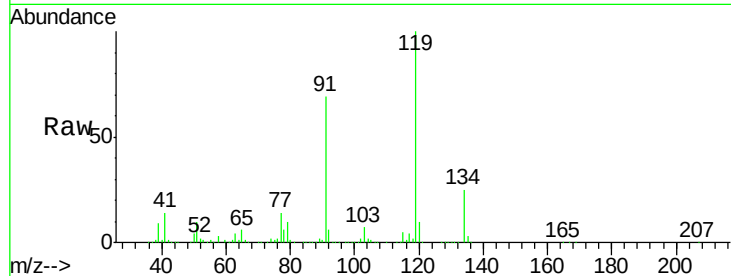
#83
 tert-Butylbenzene
 Concen: 50.654 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.4
134	24.6	12.3	36.9

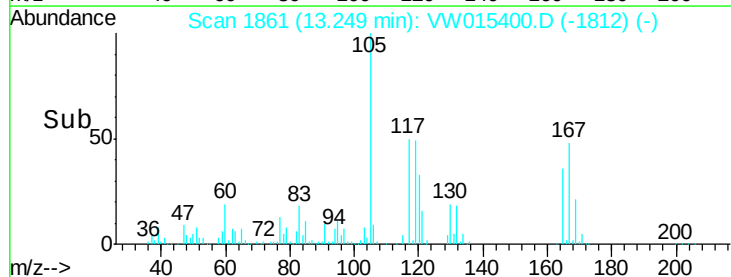
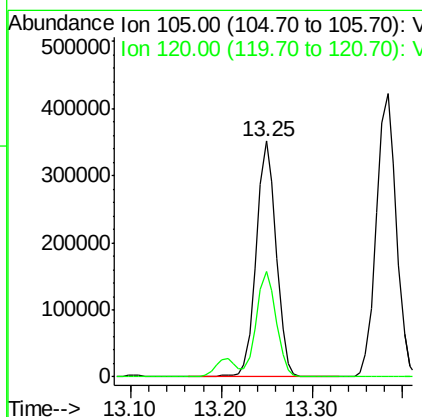
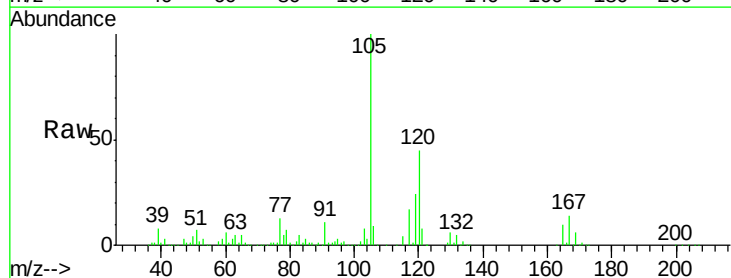
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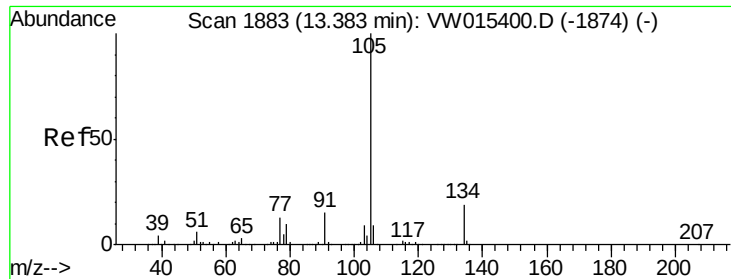
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.757 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





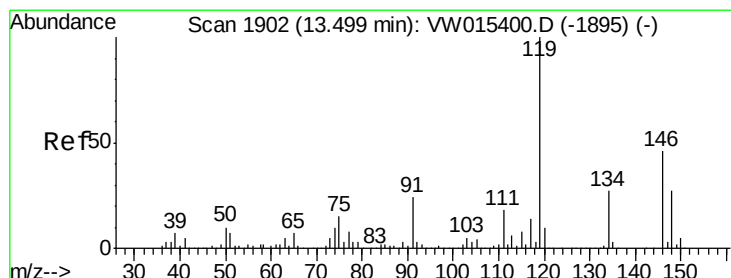
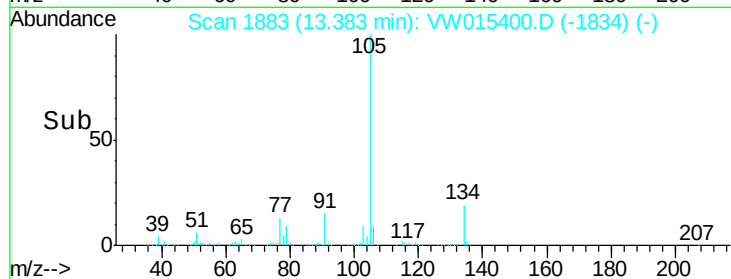
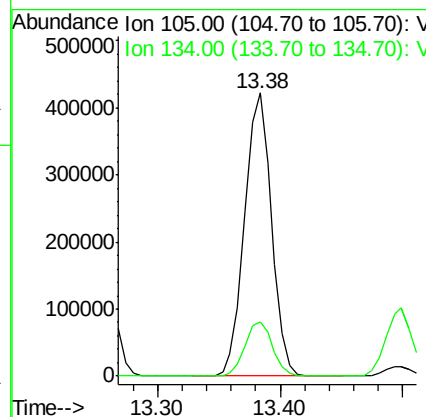
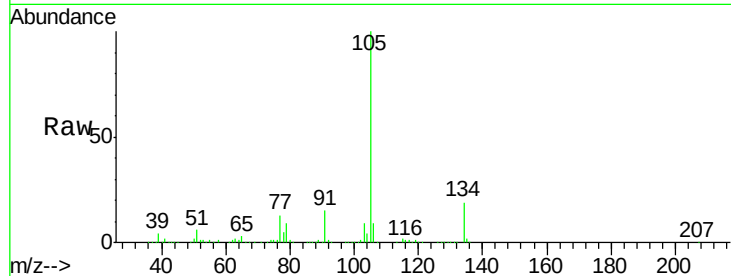
#85
 sec-Butylbenzene
 Concen: 52.063 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

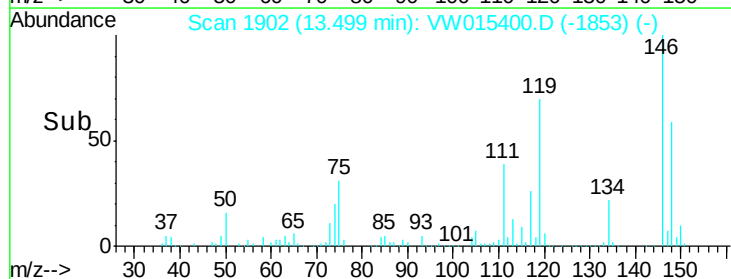
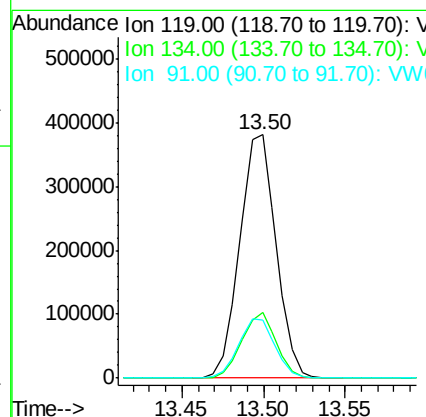
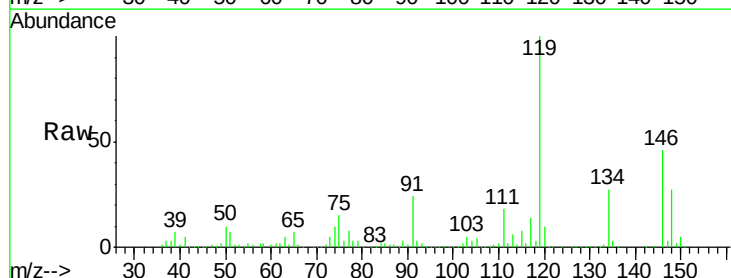
Manual Integrations
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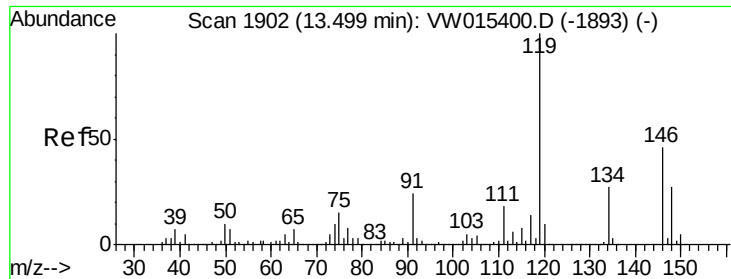
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#86
 p-Isopropyltoluene
 Concen: 51.610 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.2	12.1	36.3





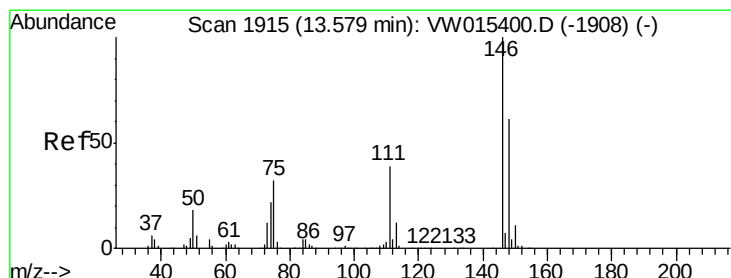
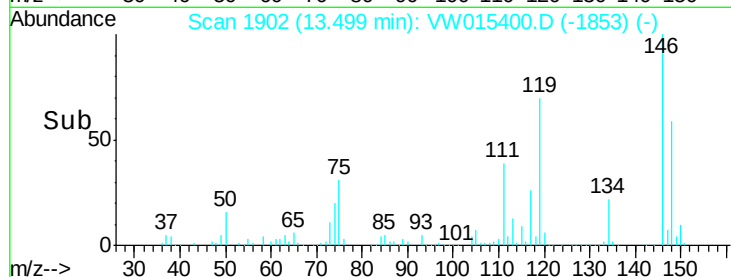
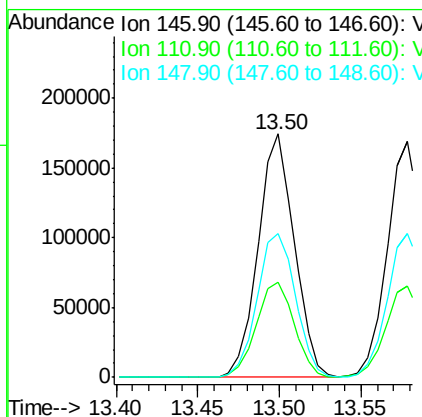
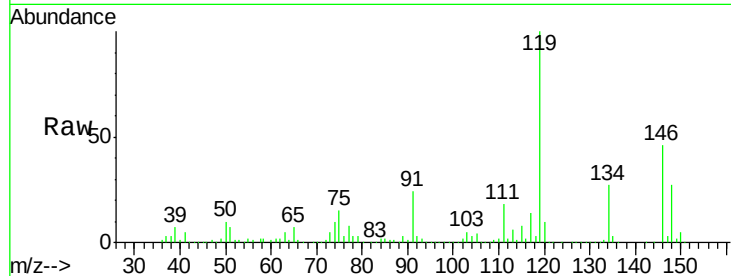
#87
 1,3-Dichlorobenzene
 Concen: 50.011 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	268715		
111	41.0	20.5	61.5	
148	62.7	31.4	94.0	

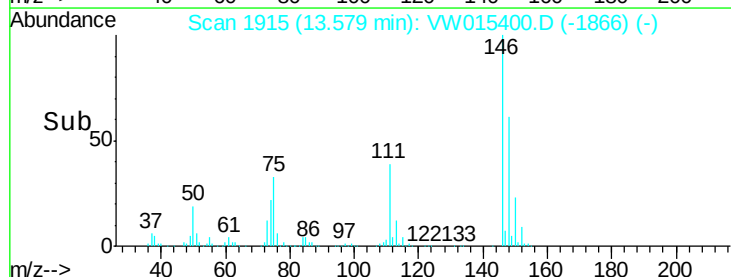
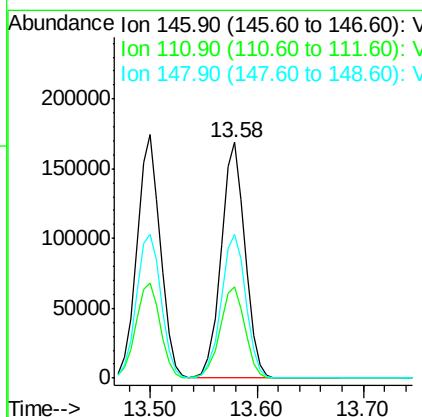
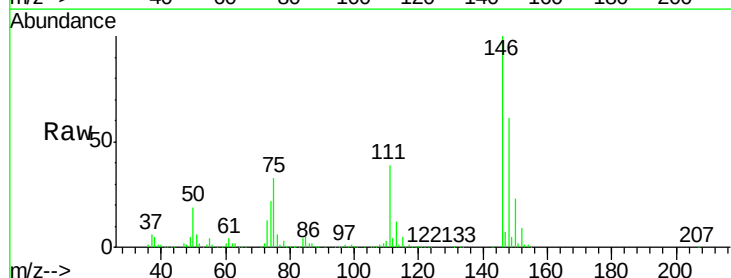
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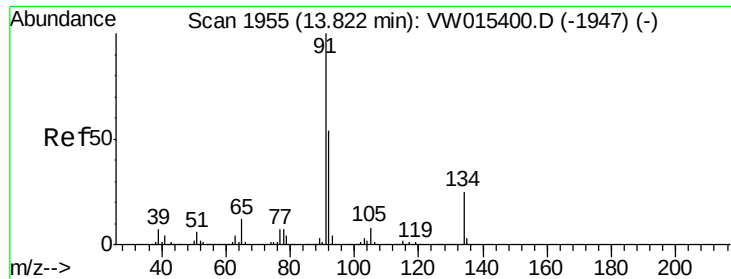
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#88
 1,4-Dichlorobenzene
 Concen: 50.121 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264095		
111	40.0	20.0	60.0	
148	62.9	31.4	94.3	





#89

n-Butylbenzene

Concen: 54.983 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

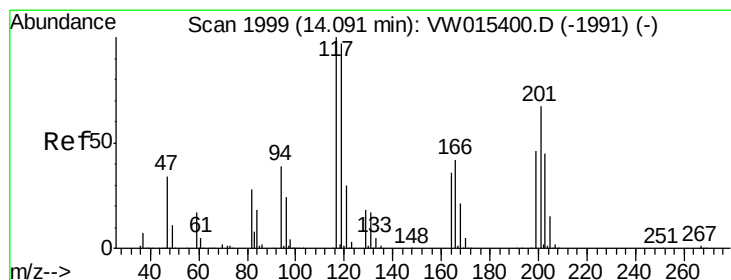
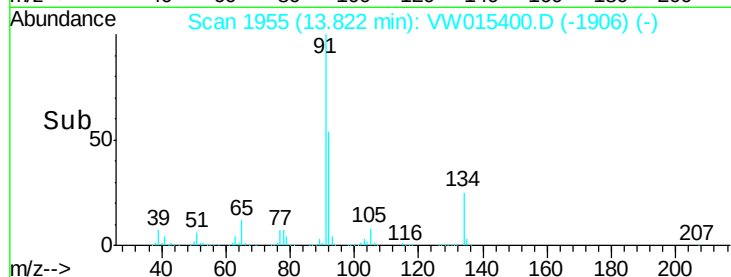
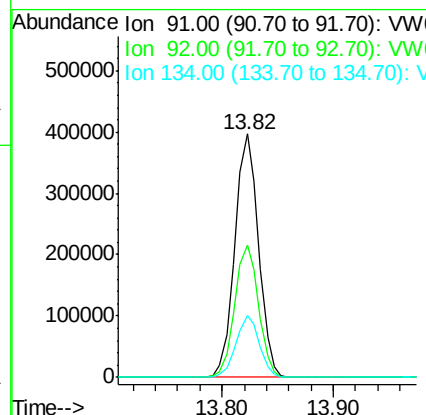
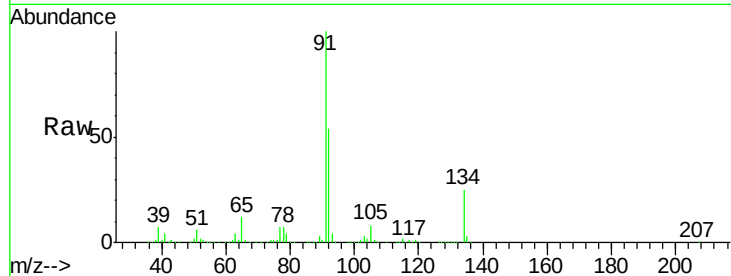
ClientSampleId :

VSTDICCC050

Tot Ion:	91	Resp:	582448
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	25.1	12.6	37.6

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#90

Hexachloroethane

Concen: 50.695 ug/l

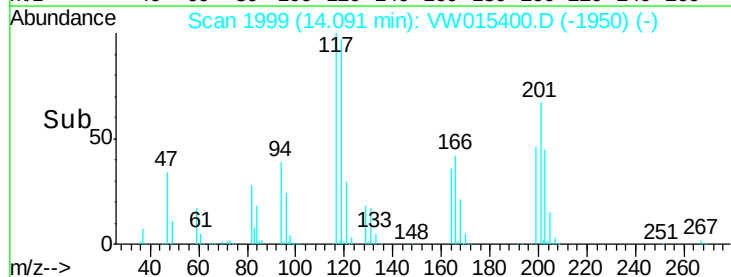
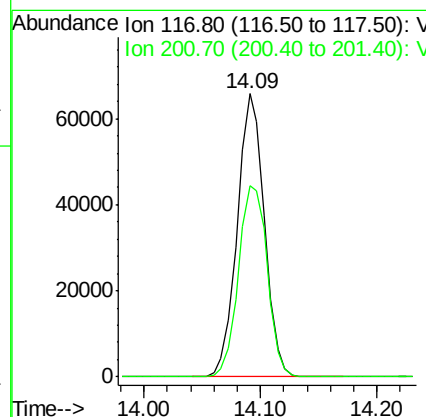
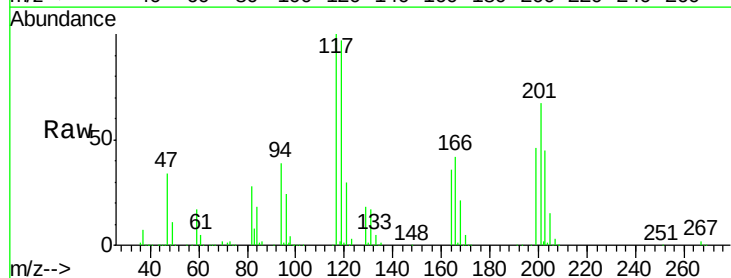
RT: 14.09 min Scan# 1999

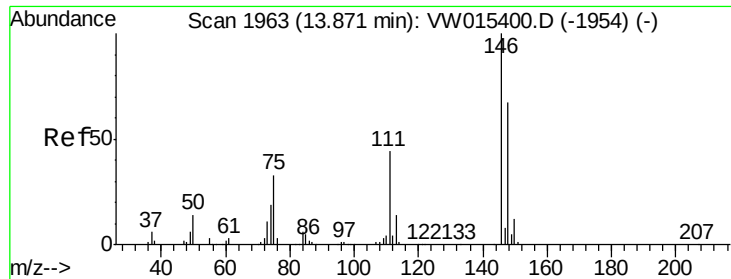
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	117	Resp:	106401
Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.9	107.8





#91

1,2-Dichlorobenzene

Concen: 48.518 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Instrument :

MSVOA_W

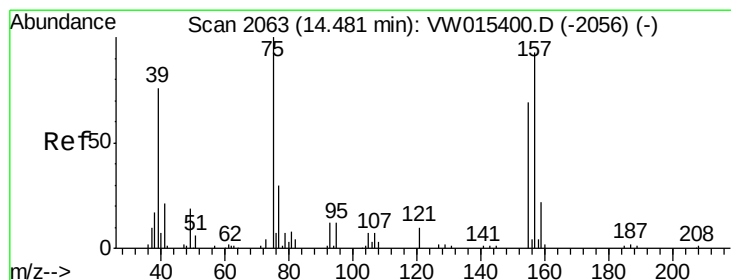
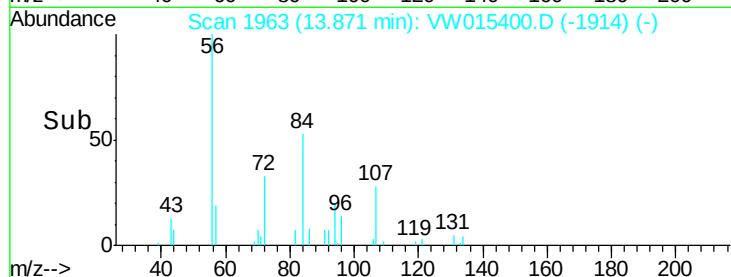
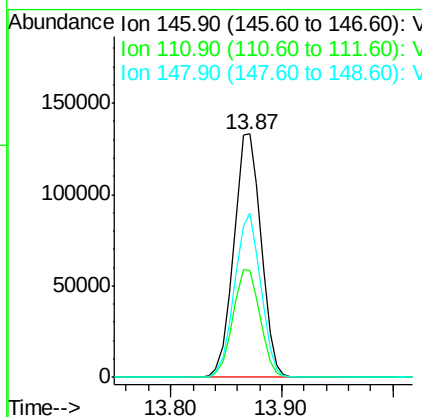
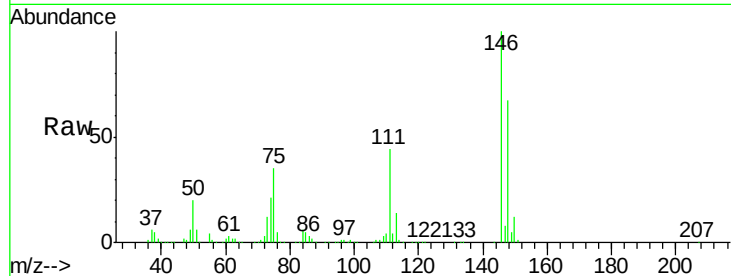
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	225298
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.1	66.3
148	64.9	32.5	97.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.396 ug/l

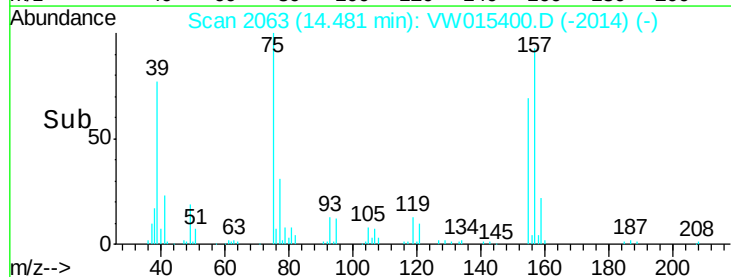
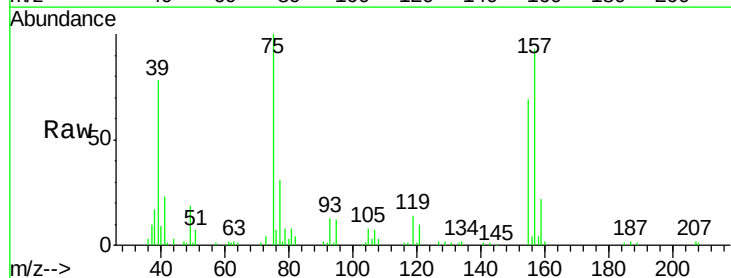
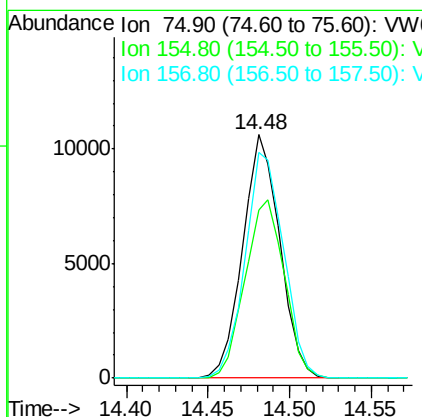
RT: 14.48 min Scan# 2063

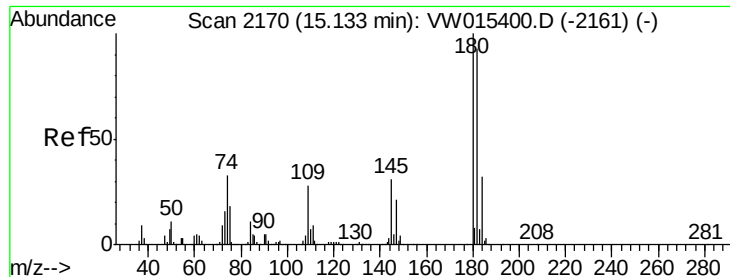
Delta R.T. 0.00 min

Lab File: VW015400.D

Acq: 05 May 2020 17:28

Tgt Ion:	75	Resp:	16808
Ion Ratio	Lower	Upper	
75	100		
155	77.4	38.7	116.1
157	96.3	48.1	144.4





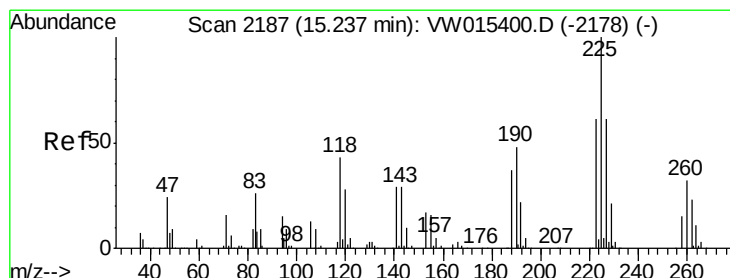
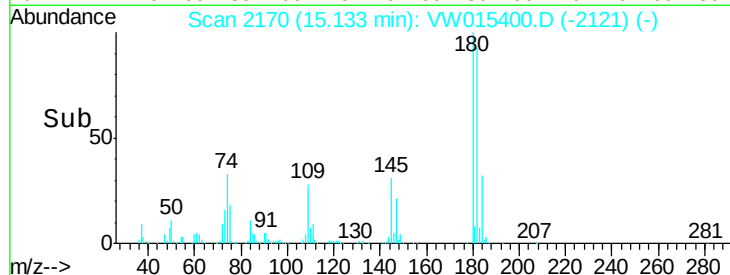
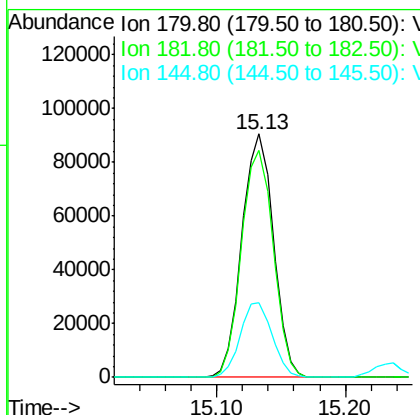
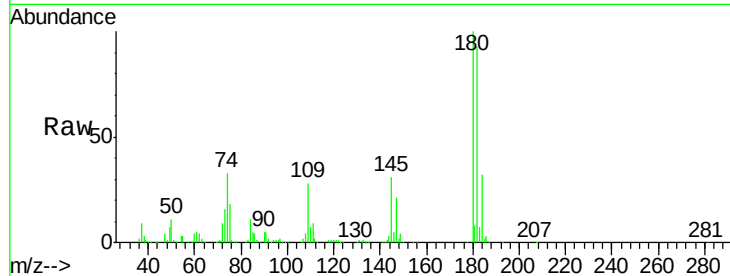
#93
 1,2,4-Trichlorobenzene
 Concen: 47.750 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153335		
182	94.4	47.2	141.6	
145	31.2	15.6	46.8	

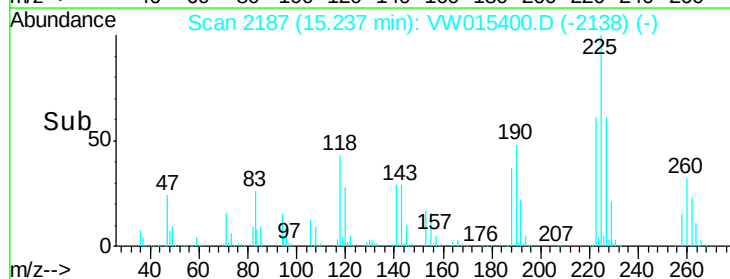
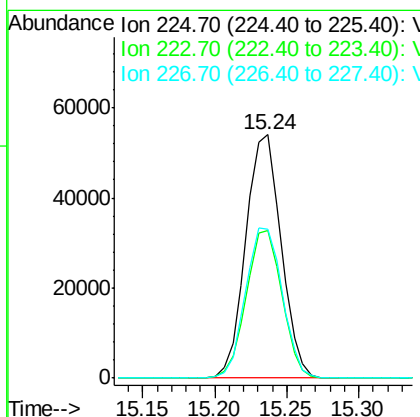
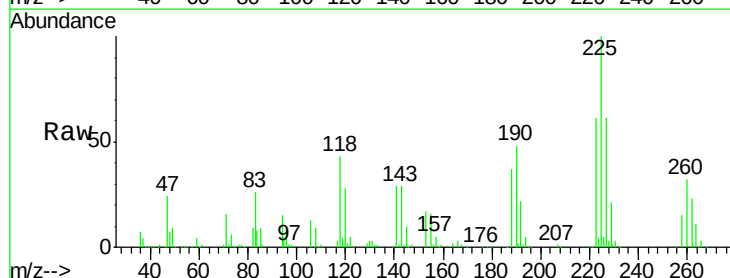
Manual Integrations
 APPROVED

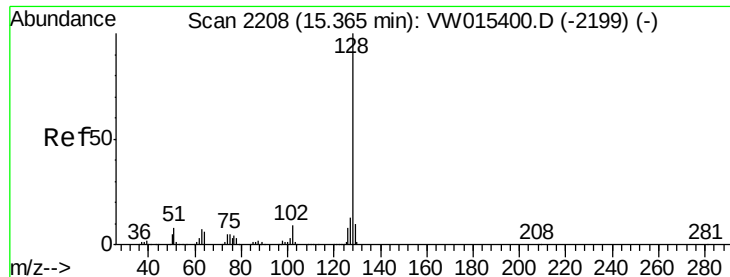
MMDadoda
 5/6/2020 12:11:59 PM



#94
 Hexachlorobutadiene
 Concen: 43.226 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015400.D
 Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91593		
223	61.4	30.7	92.1	
227	64.0	32.0	96.0	





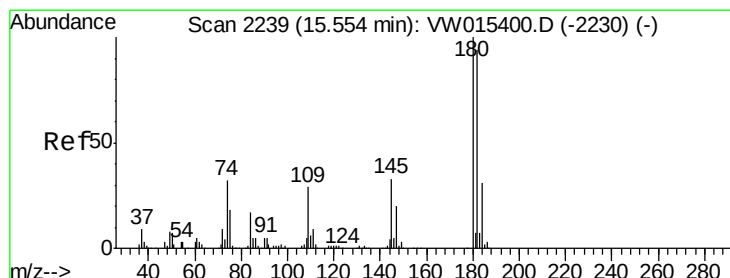
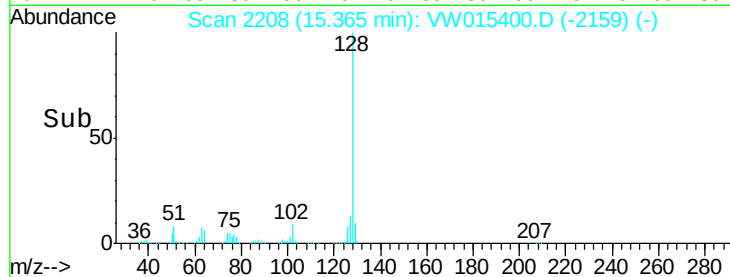
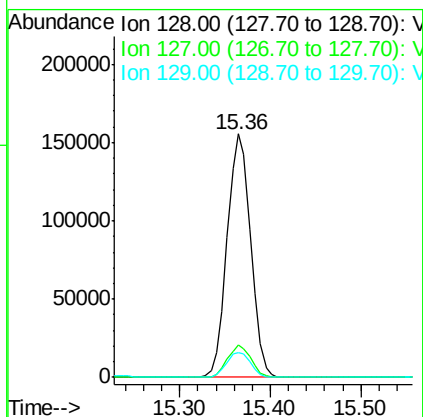
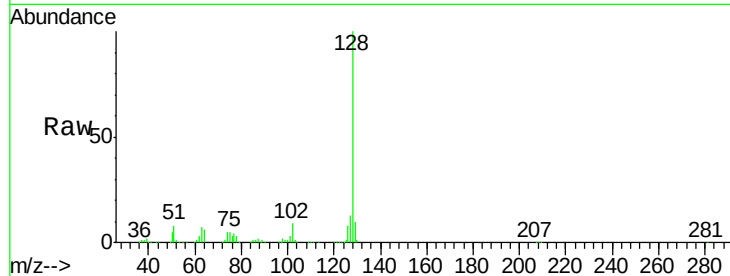
#95
Naphthalene
Concen: 53.060 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:11:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.643 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015400.D
Acq: 05 May 2020 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.5	16.3	48.8

