

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015399.D
 Acq On : 05 May 2020 17:04
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:55 PM

Quant Time: May 05 18:37:13 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	213448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166721	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	45805	24.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.56%	
35) Dibromofluoromethane	7.88	113	40707	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
50) Toluene-d8	10.32	98	168882	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	12.62	95	61723	19.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	23998	14.797	ug/l	95
3) Chloromethane	2.21	50	29038	16.311	ug/l	93
4) Vinyl Chloride	2.37	62	47042	21.315	ug/l	98
5) Bromomethane	2.78	94	37842	24.066	ug/l	94
6) Chloroethane	2.92	64	32643	23.445	ug/l	100
7) Trichlorofluoromethane	3.26	101	34067	11.818	ug/l	99
8) Diethyl Ether	3.68	74	22134	24.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39200	20.314	ug/l	98
10) Methyl Iodide	4.26	142	60263	28.262	ug/l	99
11) Tert butyl alcohol	5.20	59	13674	94.635	ug/l	95
12) 1,1-Dichloroethene	4.04	96	40669	21.618	ug/l	97
13) Acrolein	3.89	56	18000	194.619	ug/l	95
14) Allyl chloride	4.67	41	71650	27.277	ug/l	99
15) Acrylonitrile	5.37	53	42728	122.237	ug/l	98
16) Acetone	4.13	43	34681	109.850	ug/l	96
17) Carbon Disulfide	4.38	76	126129	22.540	ug/l	99
18) Methyl Acetate	4.67	43	19075	22.663	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	66350	16.303	ug/l	98
20) Methylene Chloride	4.91	84	46007	22.466	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	45664	21.450	ug/l	99
22) Diisopropyl ether	6.31	45	141307	27.883	ug/l	96
23) Vinyl Acetate	6.26	43	427406	142.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83891	24.617	ug/l	99
25) 2-Butanone	7.18	43	55437	127.475	ug/l	99
26) 2,2-Dichloropropane	7.16	77	56396	16.970	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50458	21.912	ug/l	99
28) Bromochloromethane	7.51	49	34114	27.152	ug/l	100
29) Tetrahydrofuran	7.53	42	36939	134.321	ug/l	99
30) Chloroform	7.68	83	83880	23.191	ug/l	96
31) Cyclohexane	7.95	56	83433	24.297	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71372	20.834	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69521	20.877	ug/l	99
37) Ethyl Acetate	7.25	43	26667	23.713	ug/l	98
38) Carbon Tetrachloride	8.07	117	65114	18.298	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89235	20.306	ug/l	97
40) Benzene	8.32	78	193040	21.720	ug/l	99
41) Methacrylonitrile	7.48	41	16573	24.457	ug/l	96
42) 1,2-Dichloroethane	8.40	62	59619	22.556	ug/l	99
43) Isopropyl Acetate	8.43	43	57395	24.558	ug/l	99
44) Trichloroethene	9.09	130	50344	18.977	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47649	22.764	ug/l	96
46) Dibromomethane	9.46	93	23723	20.060	ug/l	96
47) Bromodichloromethane	9.65	83	64152	20.216	ug/l	94
48) Methyl methacrylate	9.43	41	26192	23.821	ug/l	99
49) 1,4-Dioxane	9.46	88	5810	372.214	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	134647	122.255	ug/l	100
52) Toluene	10.38	92	125536	20.404	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65292	20.790	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	76944	21.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33015	19.931	ug/l	99
56) Ethyl methacrylate	10.65	69	45224	20.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	60347	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	113548	112.972	ug/l	99
59) 2-Hexanone	10.97	43	90624	116.498	ug/l	99
60) Dibromochloromethane	11.13	129	40152	18.626	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31733	19.711	ug/l	100
64) Tetrachloroethene	10.86	164	40149	17.155	ug/l	93
65) Chlorobenzene	11.66	112	128387	19.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45169	19.170	ug/l	98
67) Ethyl Benzene	11.73	91	246629	20.060	ug/l	97
68) m/p-Xylenes	11.84	106	182536	38.275	ug/l	99
69) o-Xylene	12.16	106	84575	18.932	ug/l	98
70) Styrene	12.18	104	146053	19.150	ug/l	99
71) Bromoform	12.35	173	21486	16.440	ug/l #	97
73) Isopropylbenzene	12.46	105	239714	20.302	ug/l	98
74) N-amyl acetate	12.27	43	56352	25.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37347	21.794	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	25242m	18.703	ug/l	
77) Bromobenzene	12.74	156	50658	19.035	ug/l	98
78) n-propylbenzene	12.80	91	288769	20.921	ug/l	99
79) 2-Chlorotoluene	12.89	91	161379	20.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201735	19.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12846	21.025	ug/l	96
82) 4-Chlorotoluene	12.99	91	171348	20.774	ug/l	99
83) tert-Butylbenzene	13.21	119	173331	19.631	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199852	19.950	ug/l	97
85) sec-Butylbenzene	13.38	105	242631	19.826	ug/l	100
86) p-Isopropyltoluene	13.50	119	221131	19.553	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102574	19.281	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100805	19.322	ug/l	97
89) n-Butylbenzene	13.82	91	219763	20.953	ug/l	99
90) Hexachloroethane	14.09	117	40611	19.542	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	88904	19.337	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6617	21.629	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59756	18.794	ug/l	99
94) Hexachlorobutadiene	15.24	225	34095	16.251	ug/l	96
95) Naphthalene	15.36	128	104377	20.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50413	19.362	ug/l	100

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

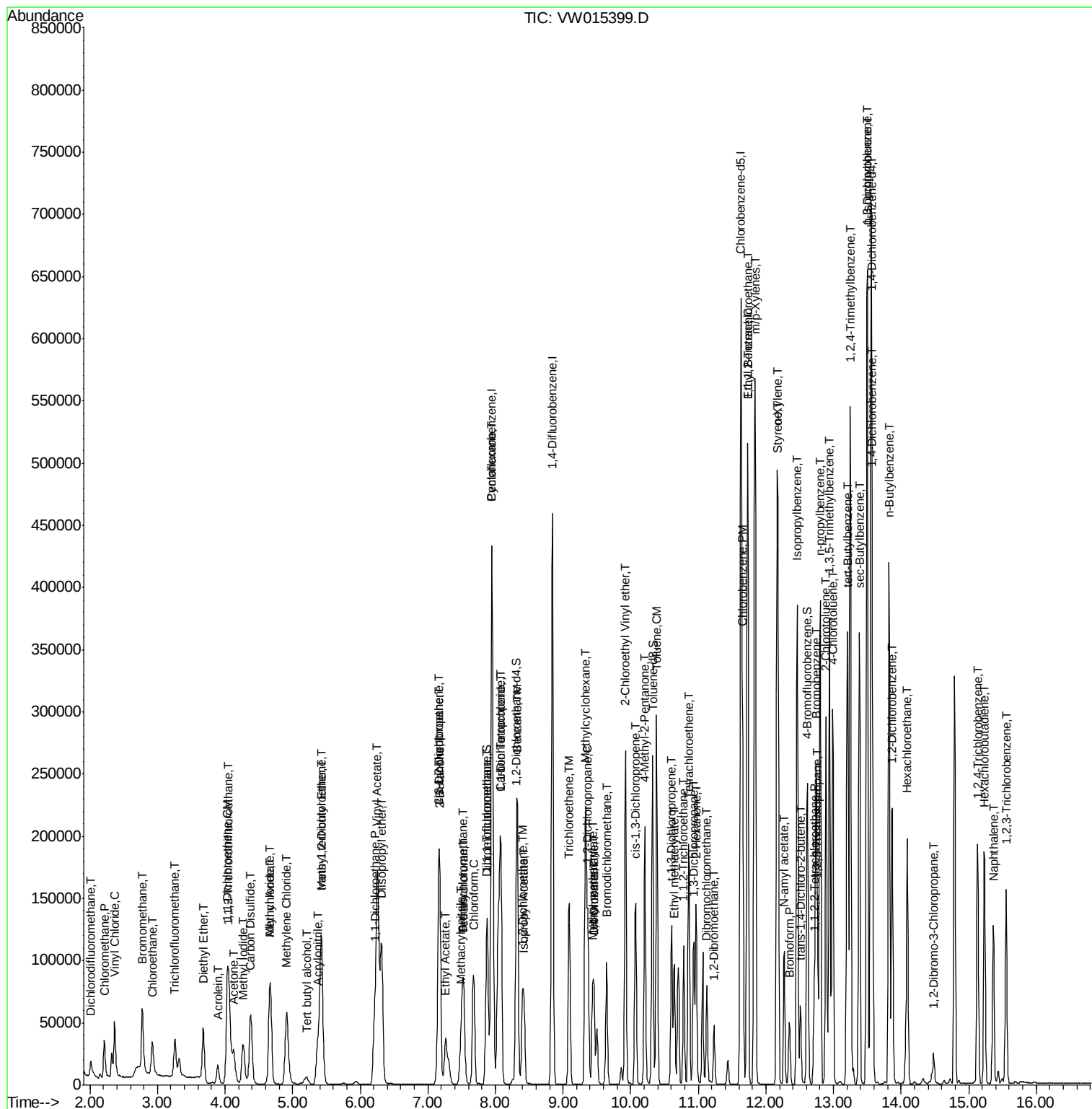
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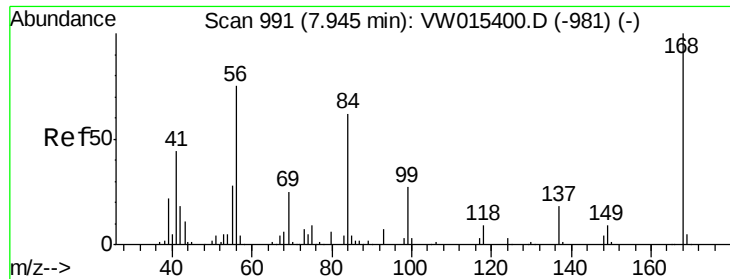
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 213448

Ion Ratio Lower Upper

168 100

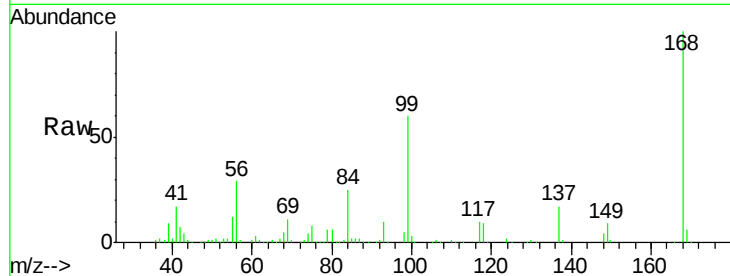
99 59.6 50.3 75.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

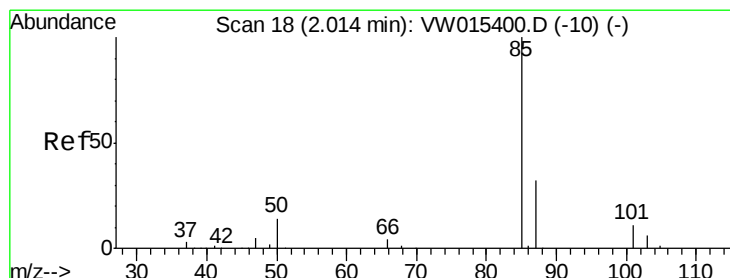
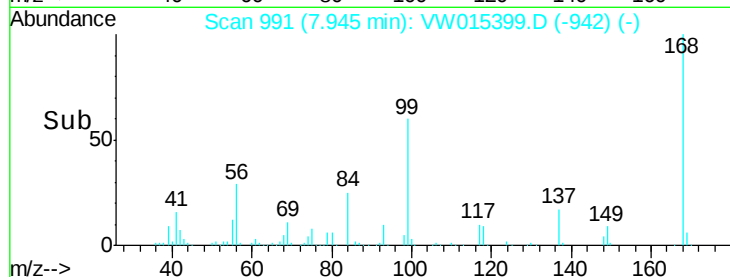
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 14.797 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015399.D

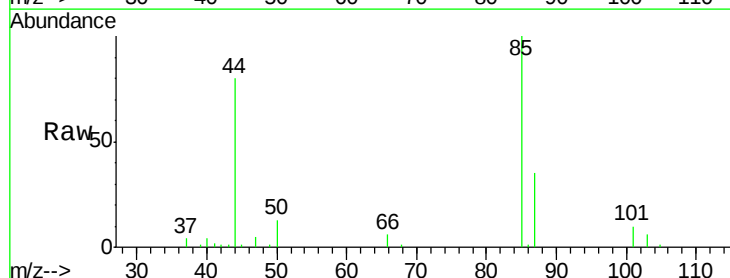
Acq: 05 May 2020 17:04

Tgt Ion: 85 Resp: 23998

Ion Ratio Lower Upper

85 100

87 35.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

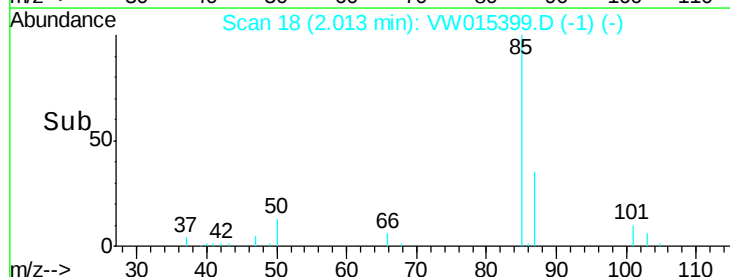
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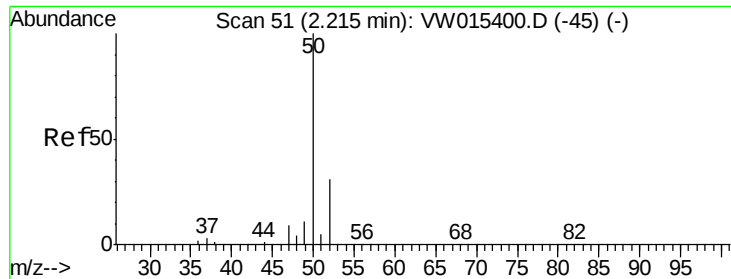
4000

2000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 16.311 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 29038

Ion Ratio Lower Upper

50 100

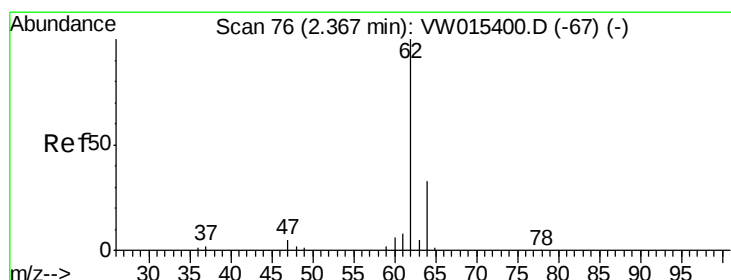
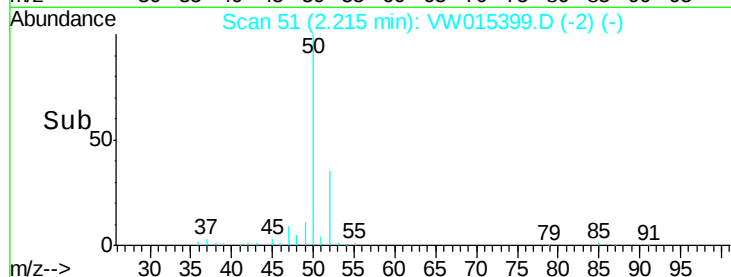
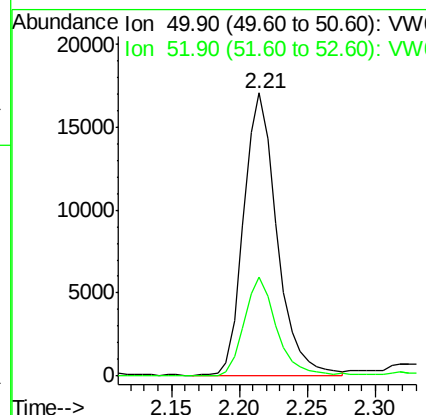
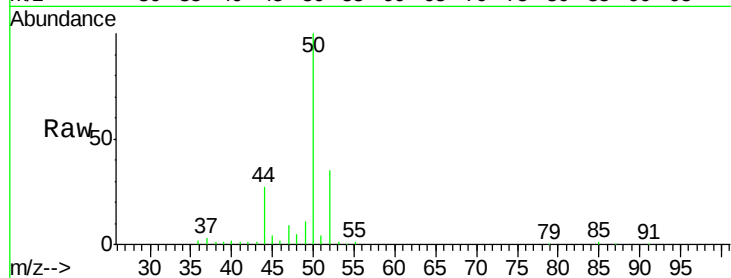
52 35.1 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.315 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015399.D

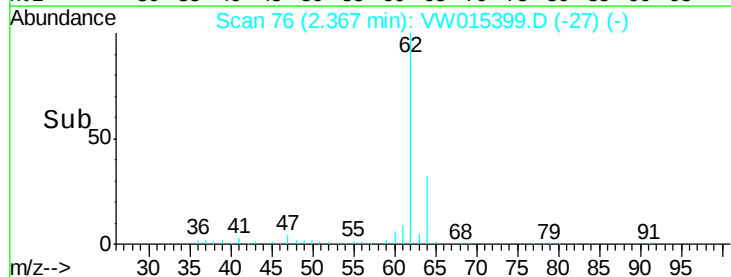
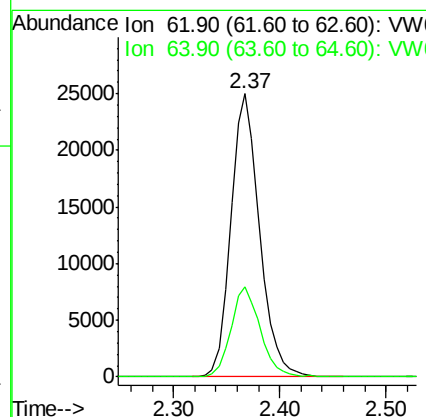
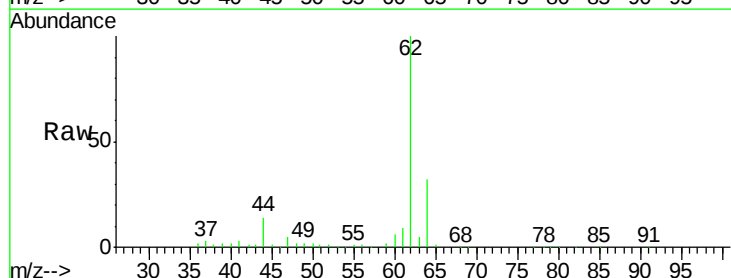
Acq: 05 May 2020 17:04

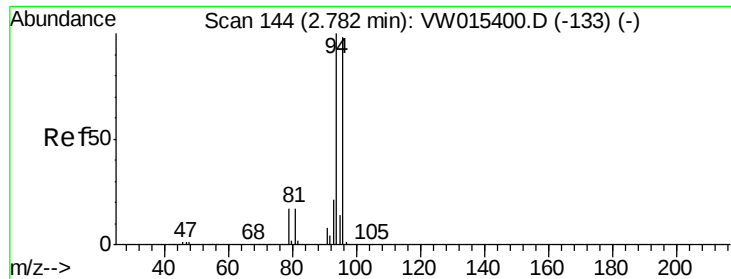
Tgt Ion: 62 Resp: 47042

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6





#5

Bromomethane

Concen: 24.066 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 37842

Ion Ratio Lower Upper

94 100

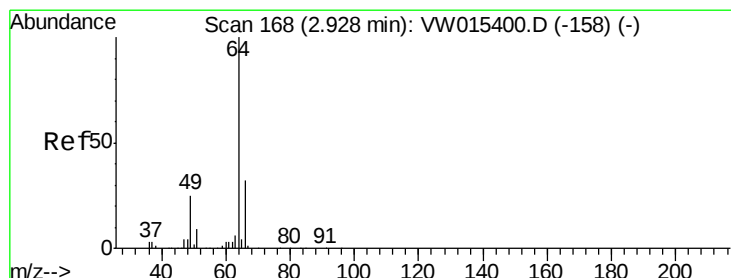
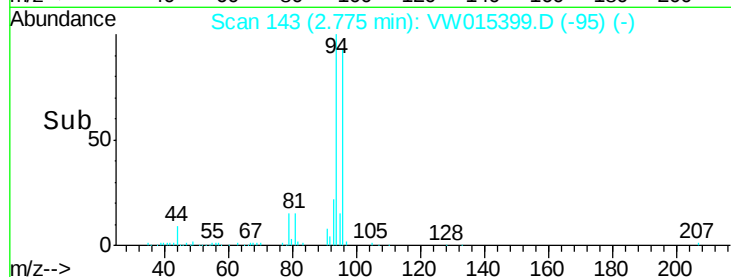
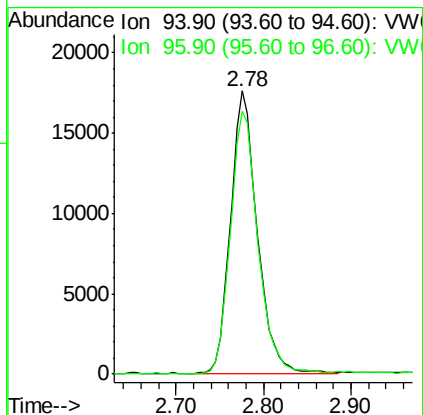
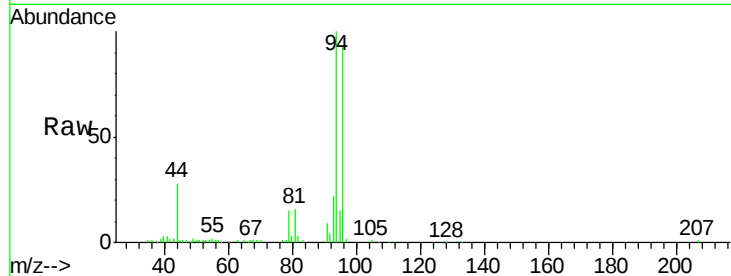
96 92.7 78.8 118.2

Manual Integrations

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#6

Chloroethane

Concen: 23.445 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015399.D

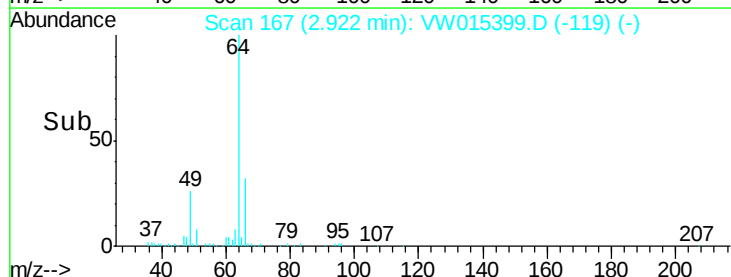
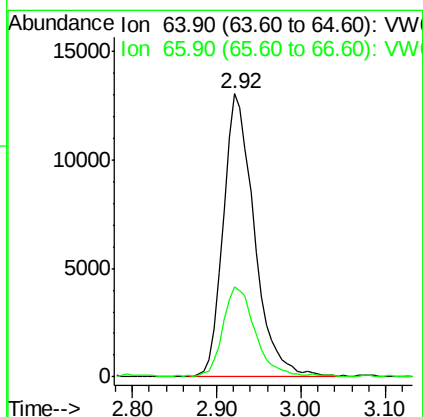
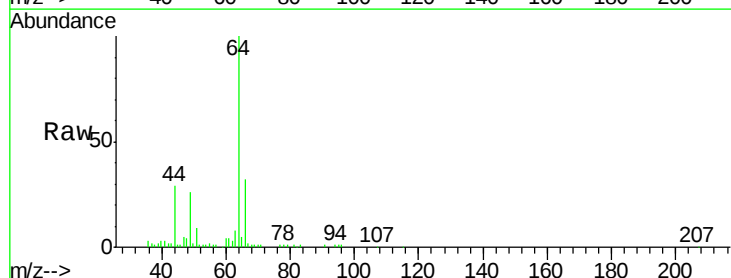
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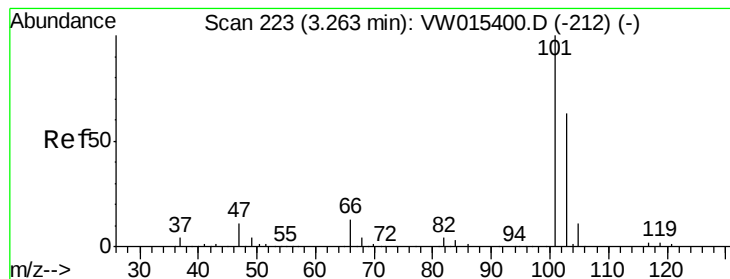
Tgt Ion: 64 Resp: 32643

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0





#7

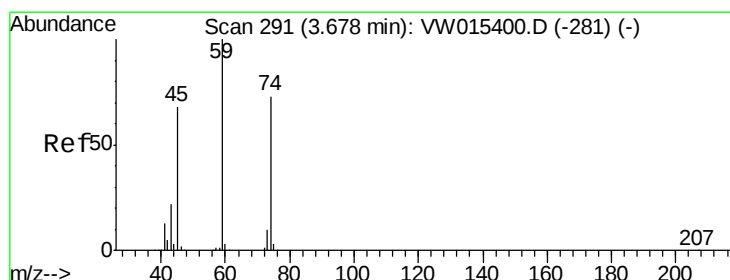
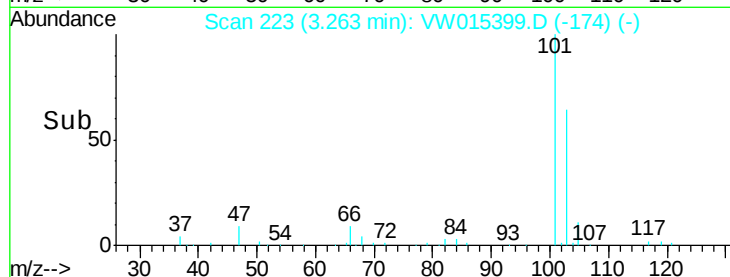
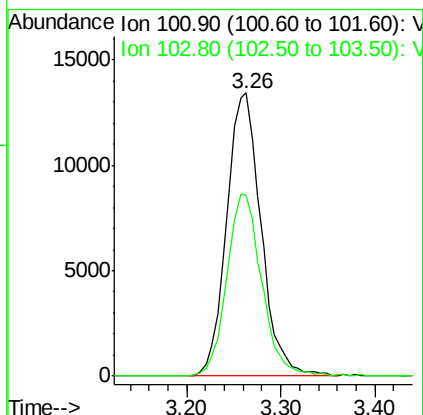
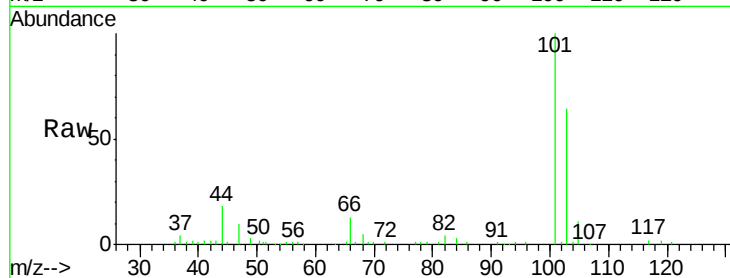
Trichlorofluoromethane
 Concen: 11.818 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015399.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.2	75.4

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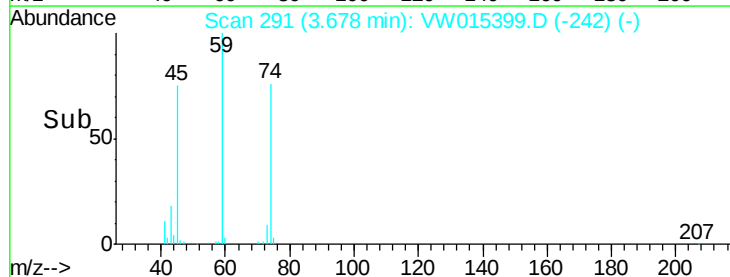
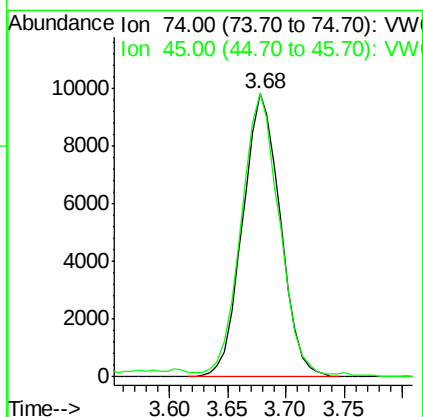
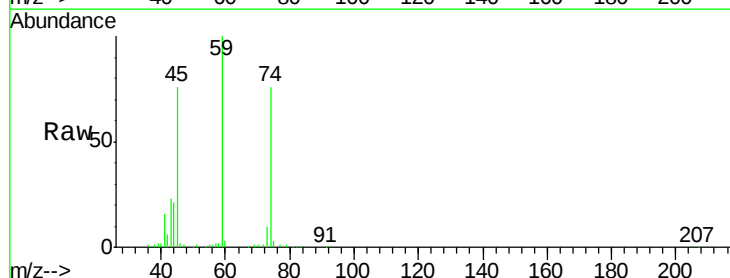
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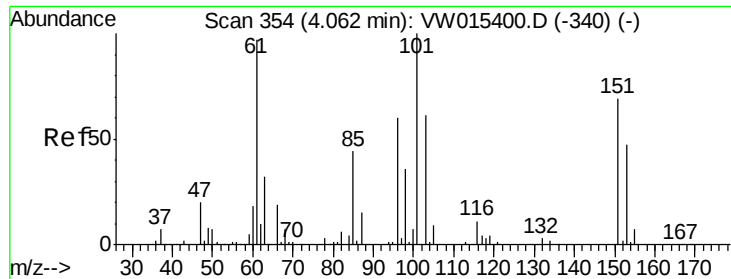


#8

Diethyl Ether
 Concen: 24.695 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.314 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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MSVOA_W

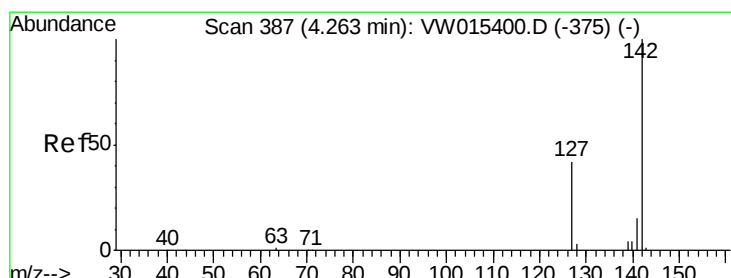
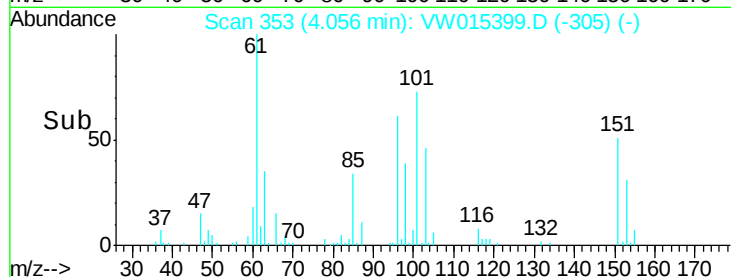
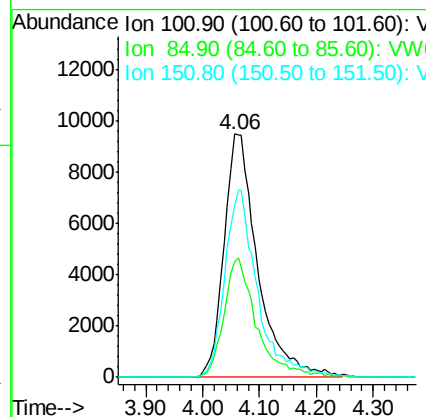
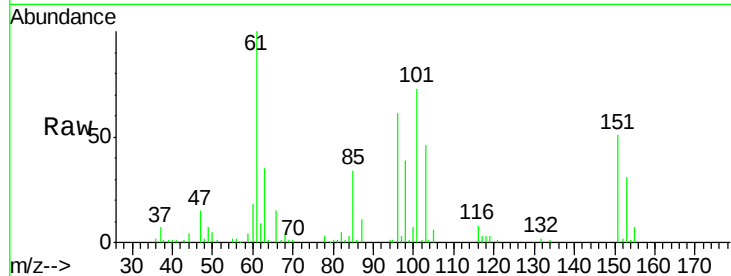
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	39200
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.3	55.9
151	74.9	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 28.262 ug/l

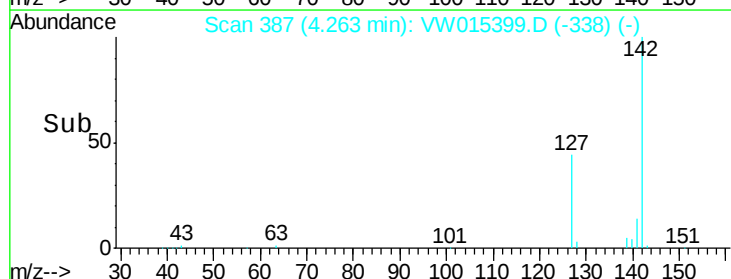
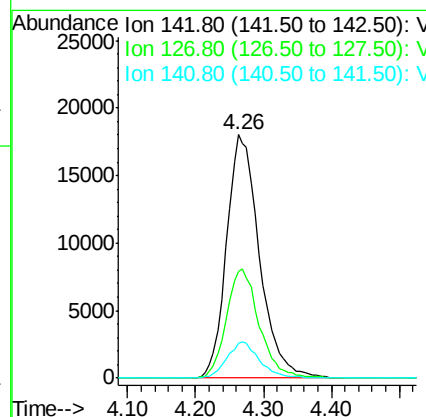
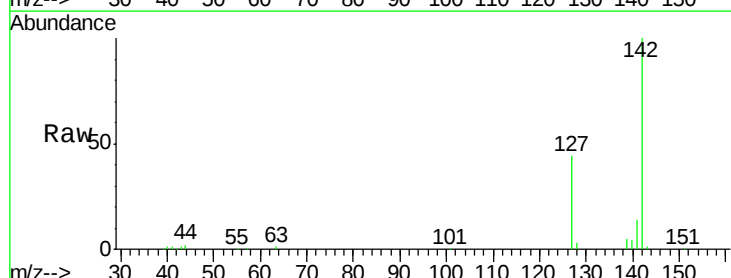
RT: 4.26 min Scan# 387

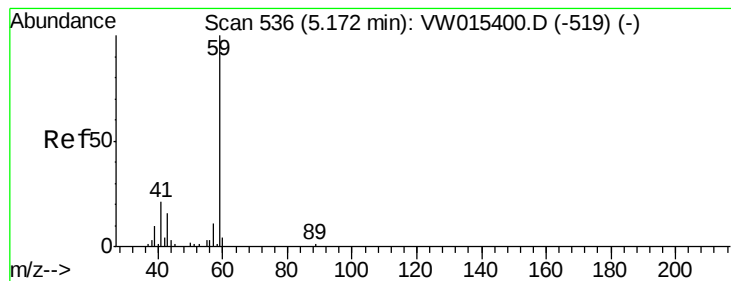
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	142	Resp:	60263
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.4	53.2
141	14.7	11.7	17.5





#11

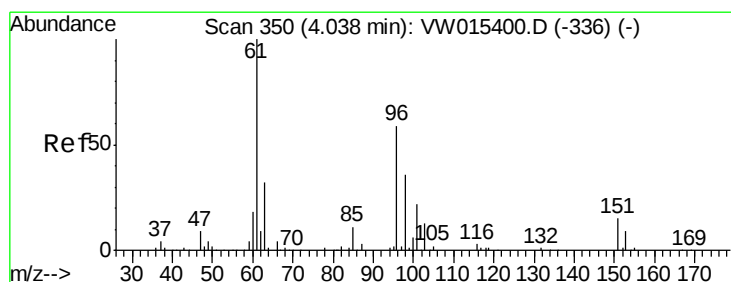
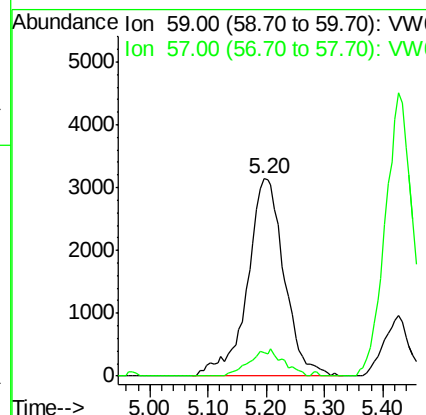
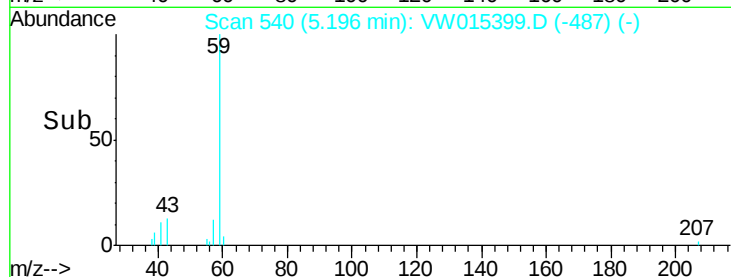
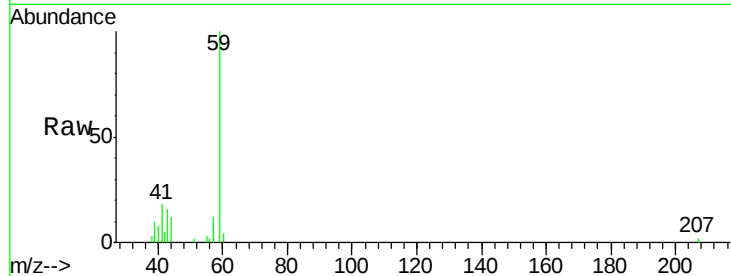
Tert butyl alcohol
 Concen: 94.635 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	12.6	8.6	13.0

Manual Integrations
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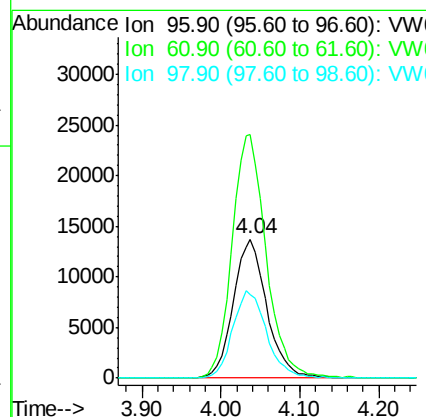
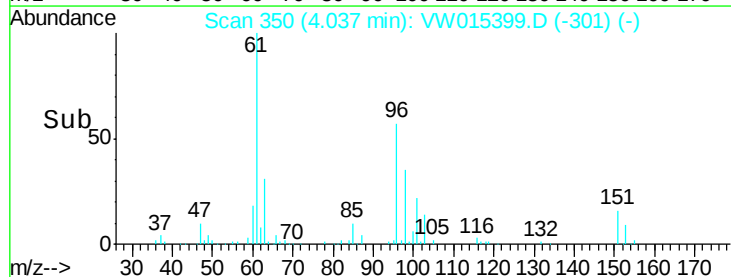
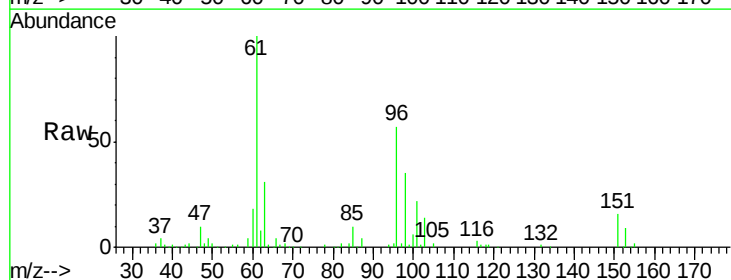
MMDadoda
 5/6/2020 12:11:55 PM

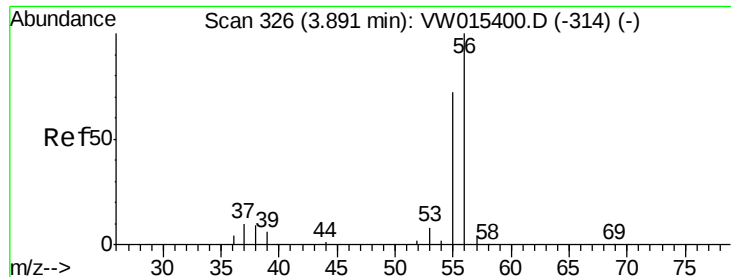


#12

1,1-Dichloroethene
 Concen: 21.618 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	174.9	135.8	203.8
98	98	60.5	48.6	72.8





#13

Acrolein

Concen: 194.619 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18000

Ion Ratio Lower Upper

56 100

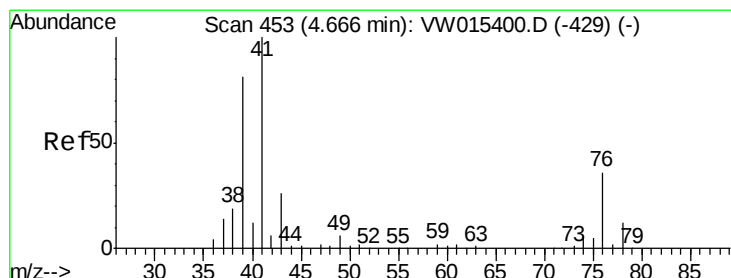
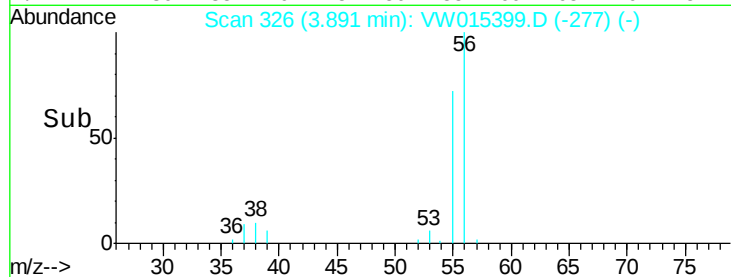
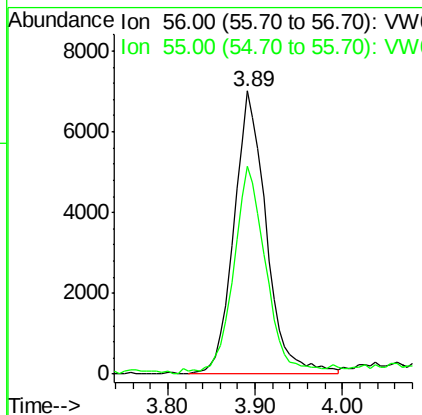
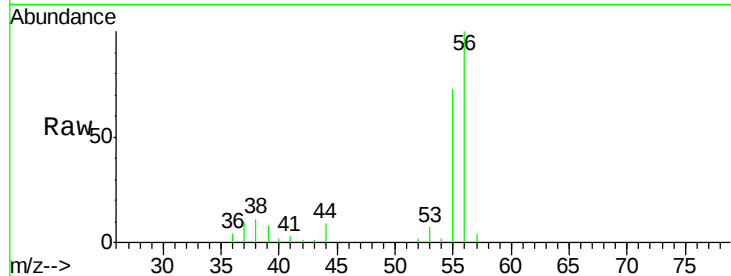
55 74.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 27.277 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

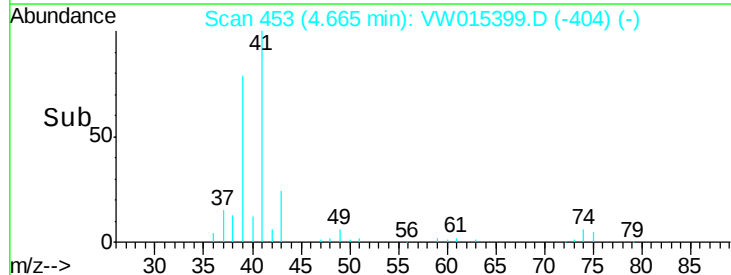
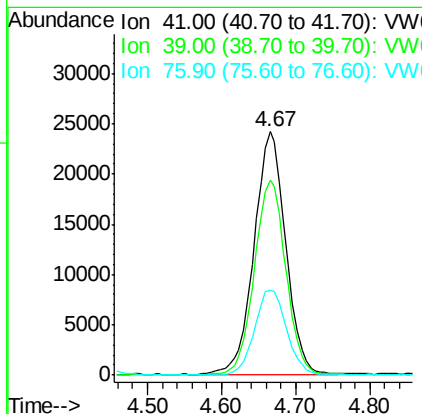
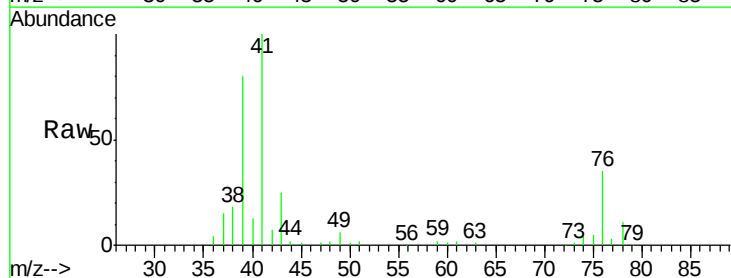
Tgt Ion: 41 Resp: 71650

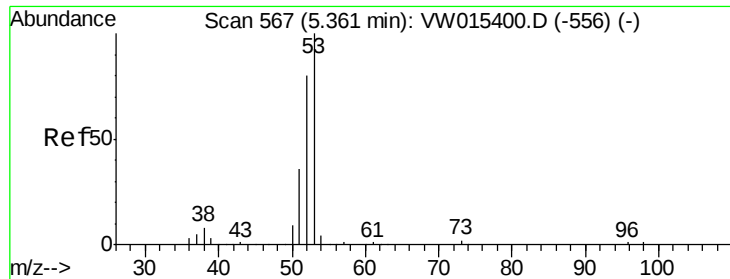
Ion Ratio Lower Upper

41 100

39 80.9 63.6 95.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 122.237 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

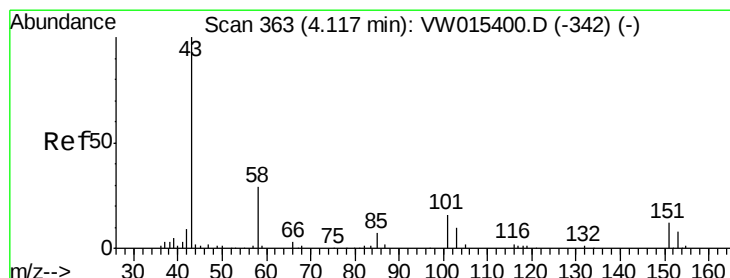
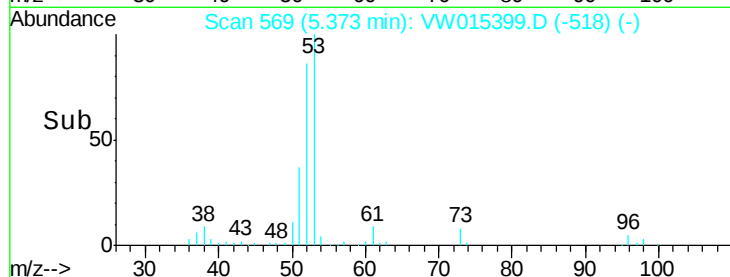
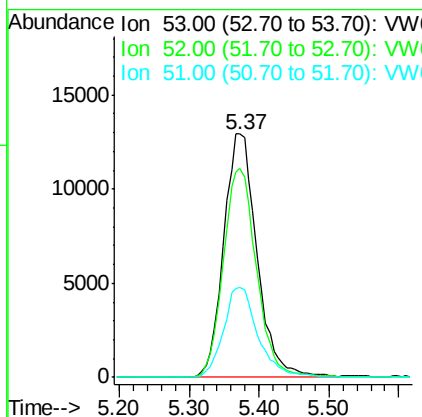
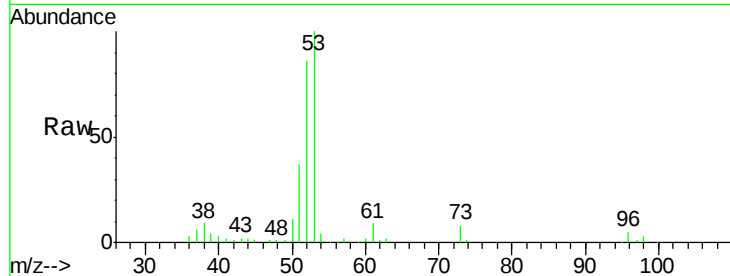
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	42728
Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.6	99.8
51	38.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 109.850 ug/l

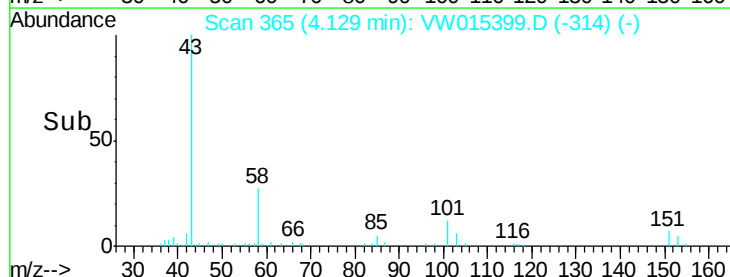
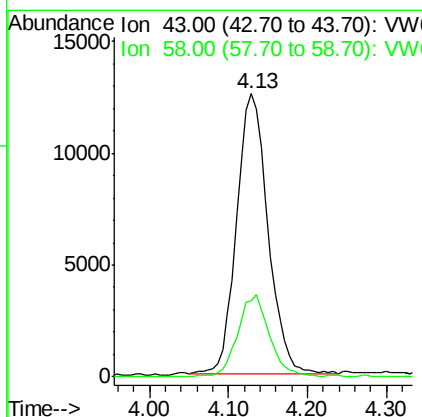
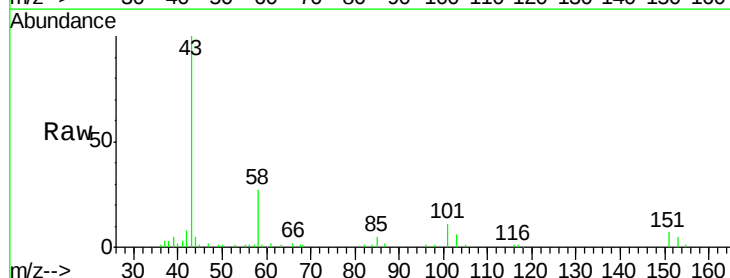
RT: 4.13 min Scan# 365

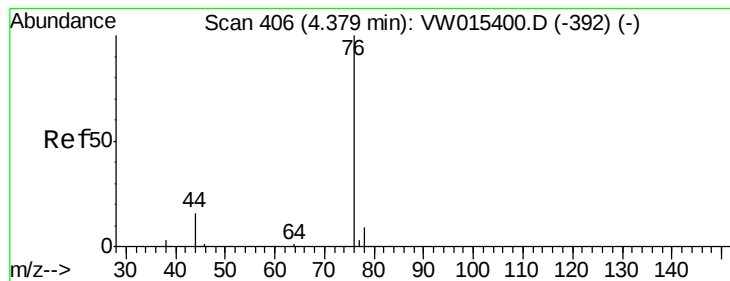
Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	43	Resp:	34681
Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.4	35.0





#17

Carbon Disulfide

Concen: 22.540 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tot Ion: 76 Resp: 126129

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

Instrument :

MSVOA_W

ClientSampled :

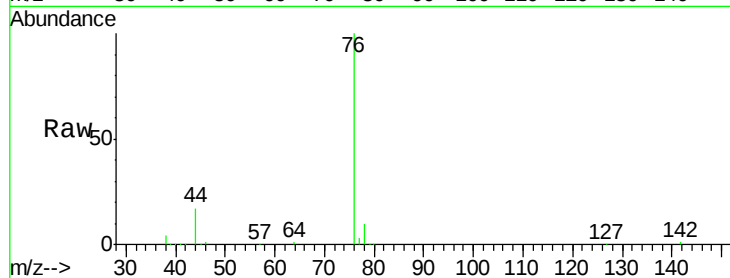
VSTDIC020

Manual Integrations

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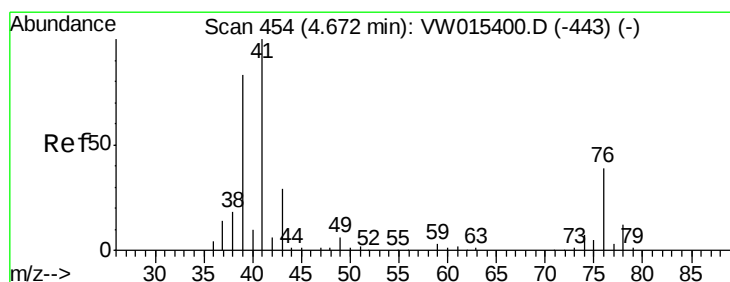
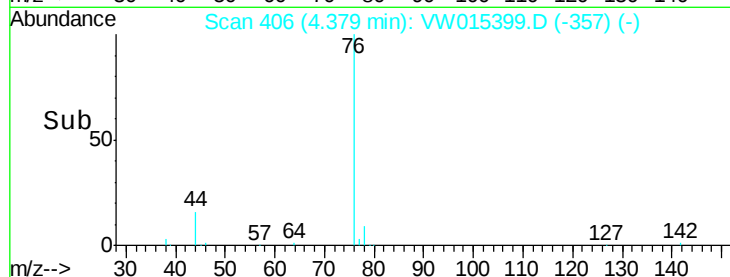
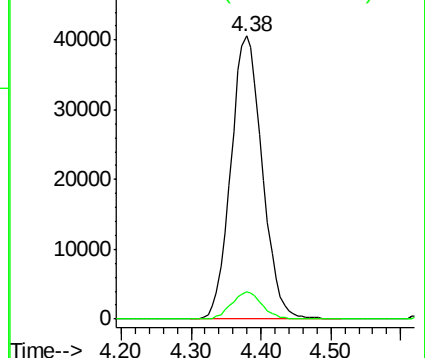
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.663 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015399.D

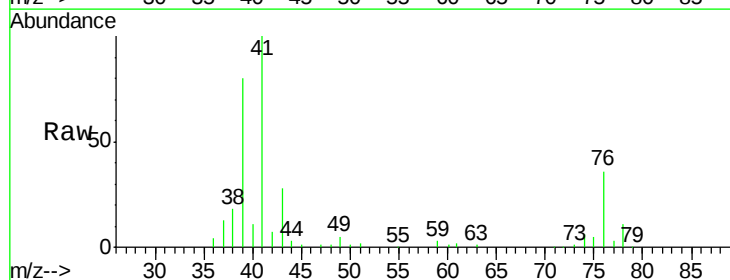
Acq: 05 May 2020 17:04

Tgt Ion: 43 Resp: 19075

Ion Ratio Lower Upper

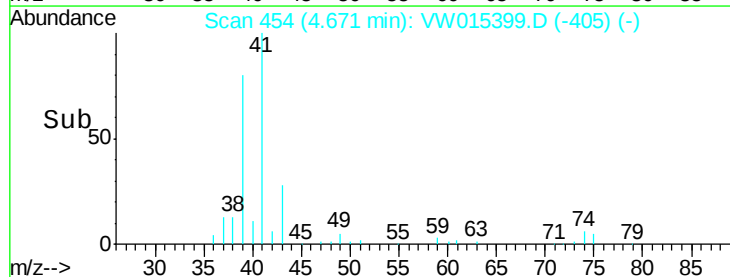
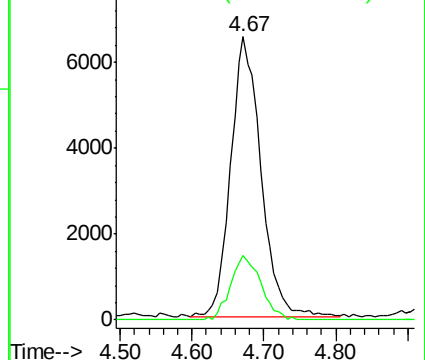
43 100

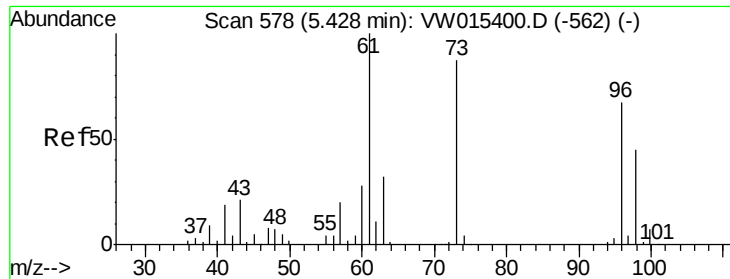
74 23.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





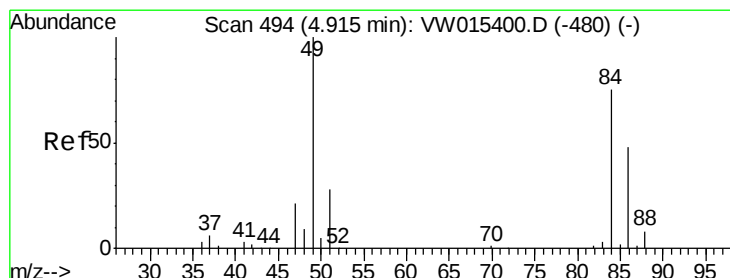
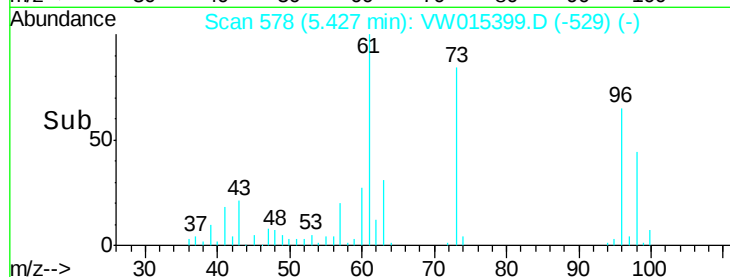
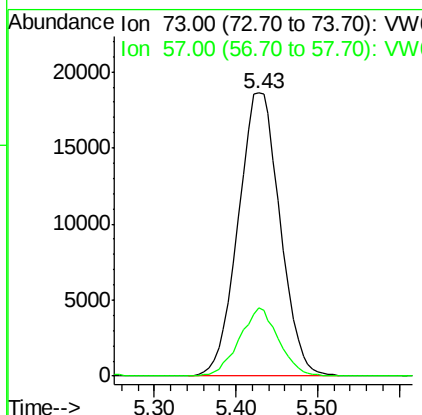
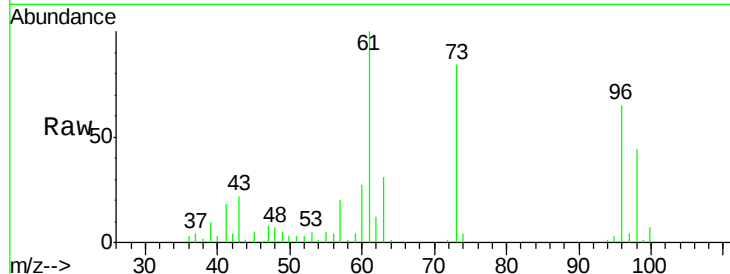
#19
Methyl tert-butyl Ether
Concen: 16.303 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 66350
Ion Ratio Lower Upper
73 100
57 24.2 18.5 27.7

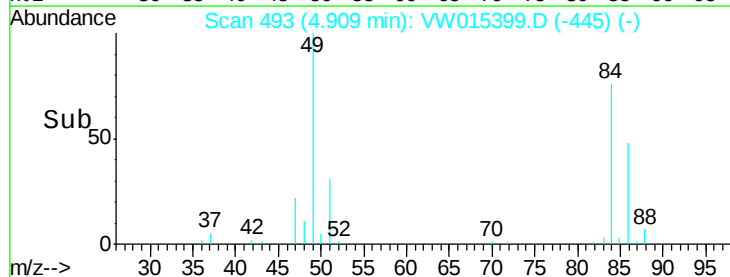
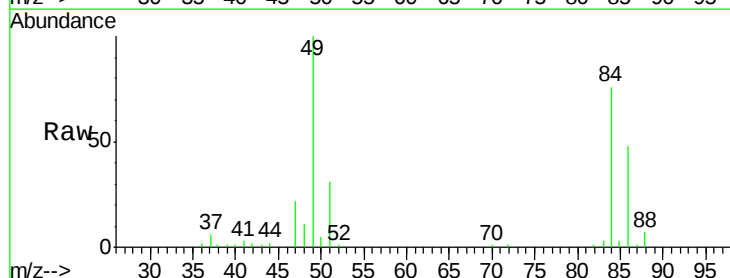
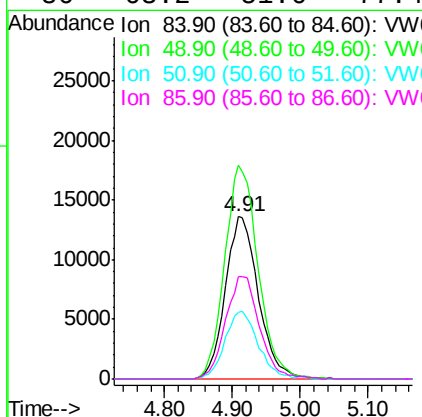
Manual Integrations
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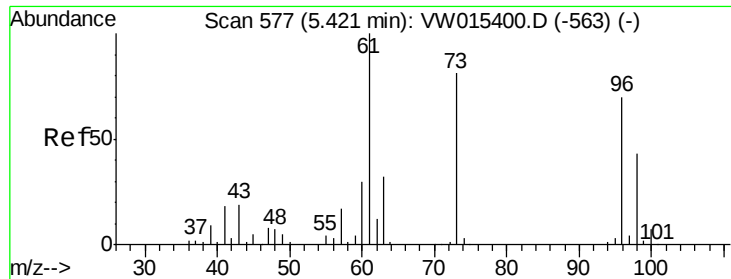
MMDadoda
5/6/2020 12:11:55 PM



#20
Methylene Chloride
Concen: 22.466 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 84 Resp: 46007
Ion Ratio Lower Upper
84 100
49 131.6 106.4 159.6
51 41.1 30.2 45.2
86 63.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 21.450 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

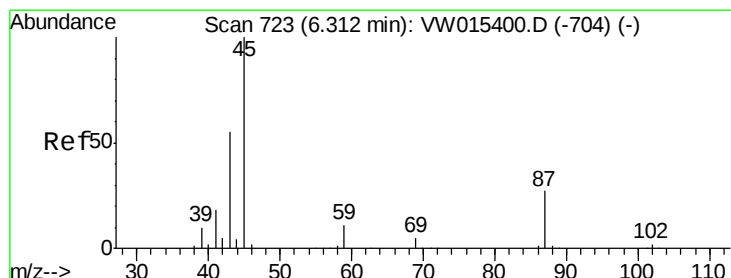
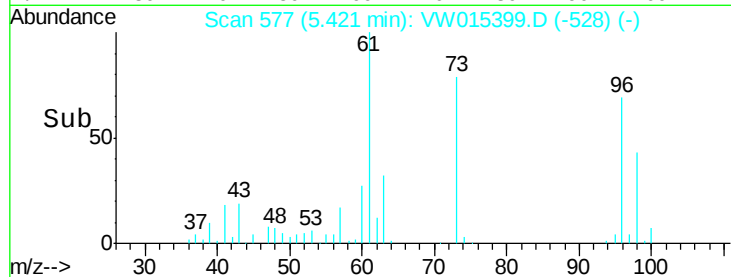
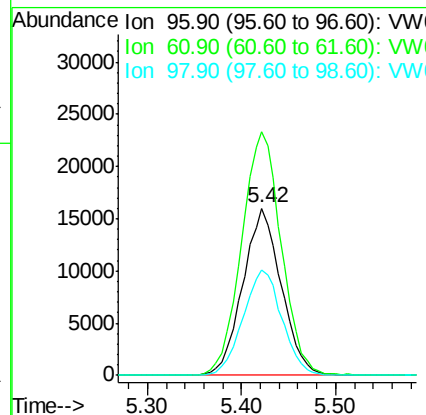
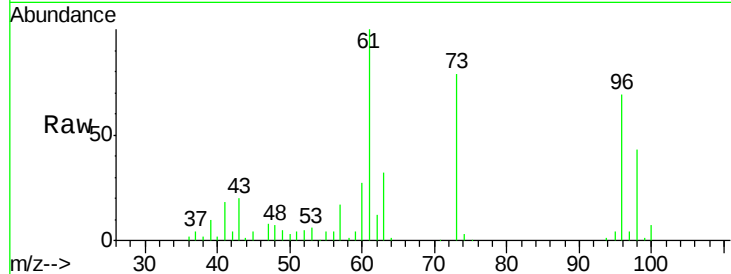
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	45664
Ion	Ratio	Lower	Upper
96	100		
61	145.2	114.9	172.3
98	62.9	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 27.883 ug/l

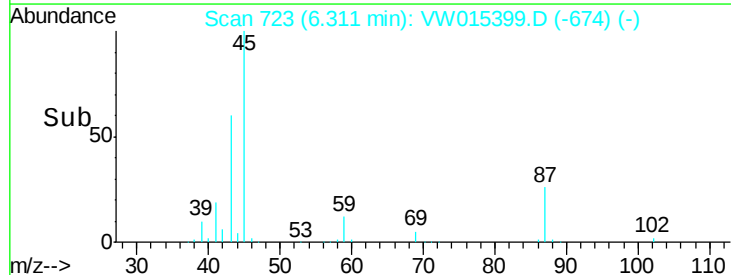
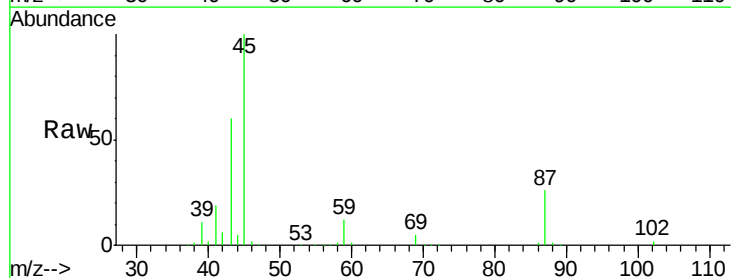
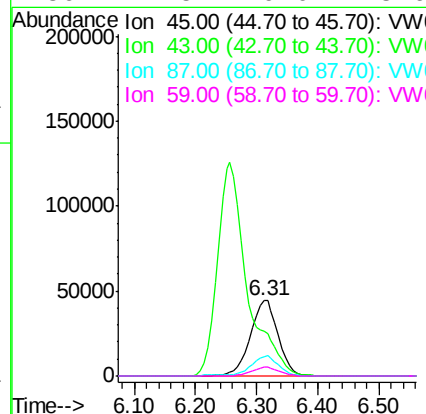
RT: 6.31 min Scan# 723

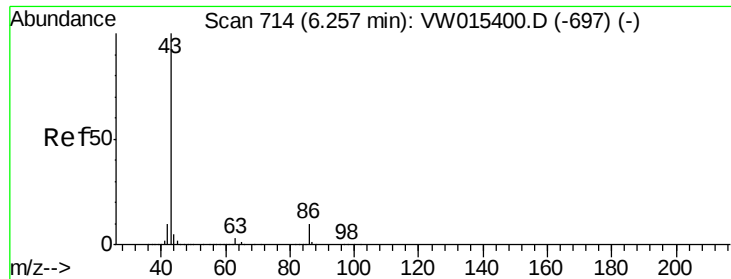
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	45	Resp:	141307
Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.2	66.4
87	26.2	21.6	32.4
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 142.415 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 427406

Ion Ratio Lower Upper

43 100

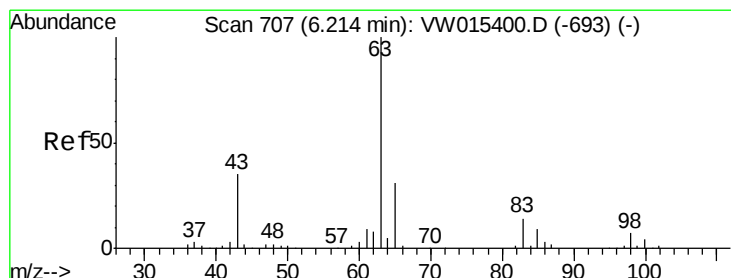
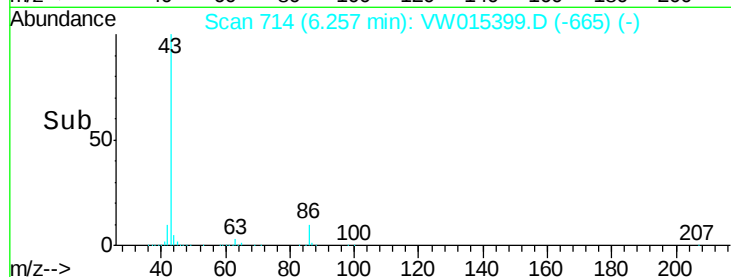
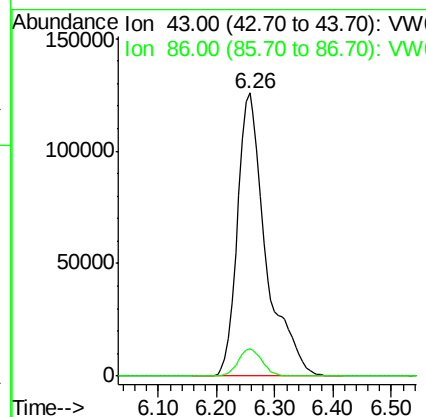
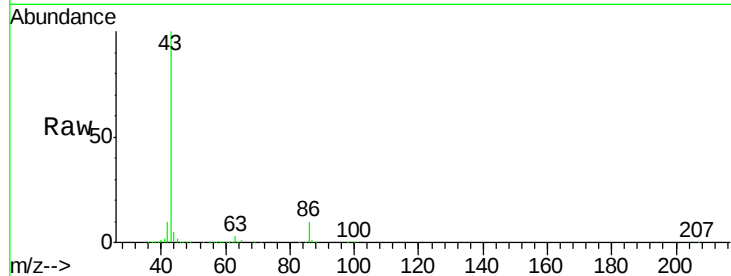
86 9.7 8.1 12.1

Manual Integrations

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MMDadoda

5/6/2020 12:11:55 PM



#24

1,1-Dichloroethane

Concen: 24.617 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

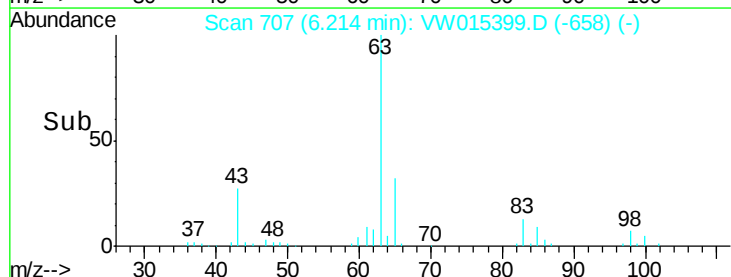
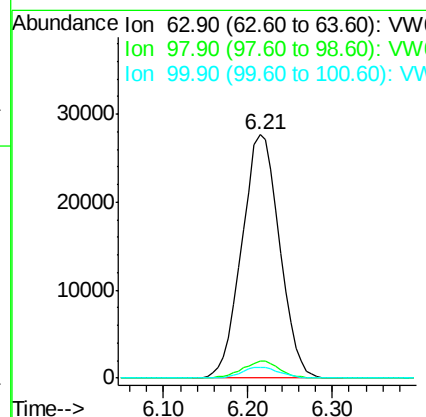
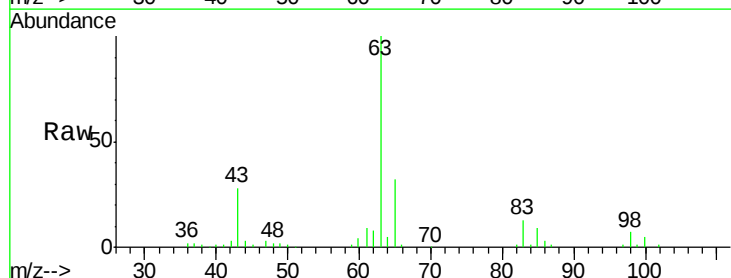
Tgt Ion: 63 Resp: 83891

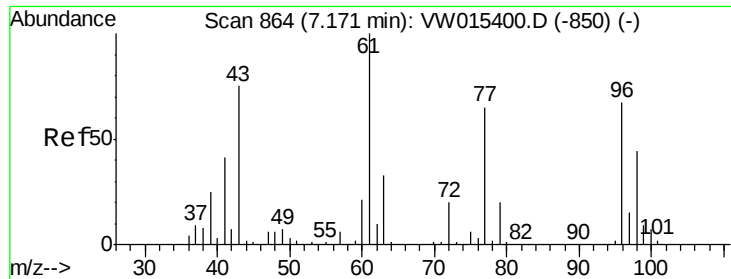
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.6 2.1 6.5





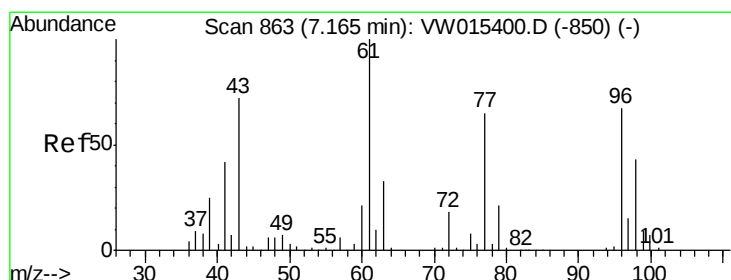
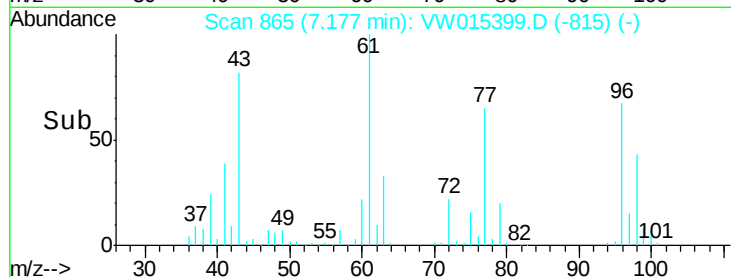
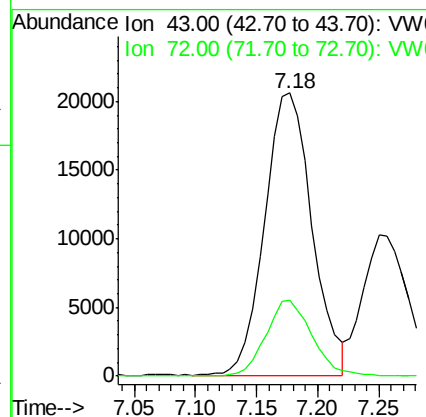
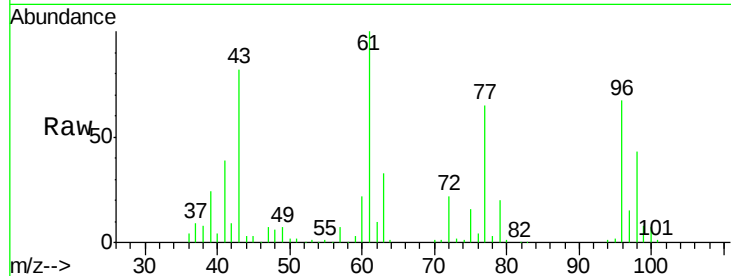
#25
2-Butanone
Concen: 127.475 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 55437
Ion Ratio Lower Upper
43 100
72 27.1 21.4 32.0

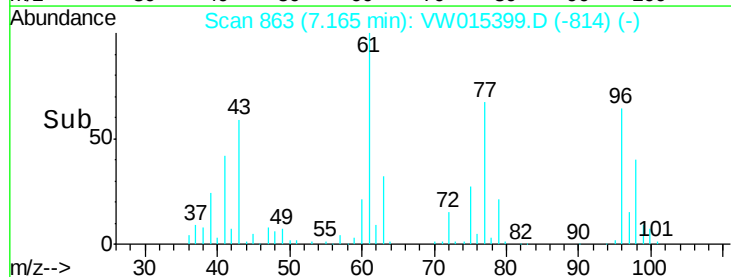
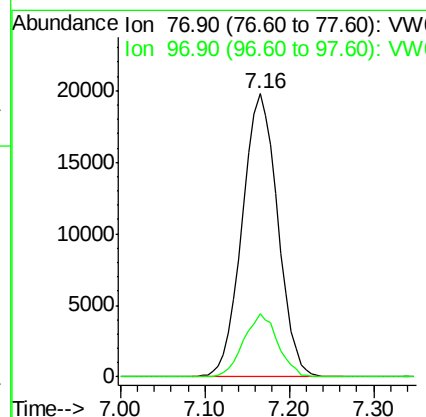
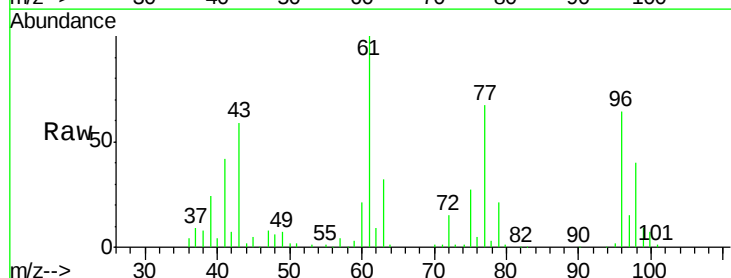
Manual Integrations
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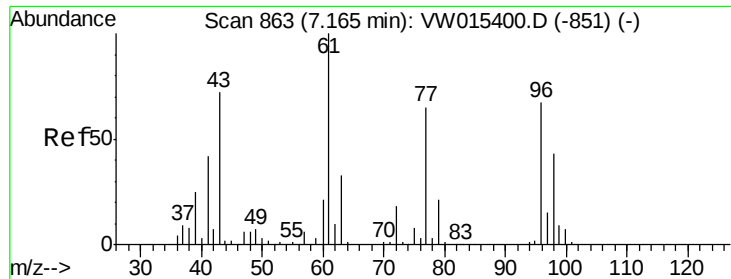
MMDadoda
5/6/2020 12:11:55 PM



#26
2,2-Dichloropropane
Concen: 16.970 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 77 Resp: 56396
Ion Ratio Lower Upper
77 100
97 21.5 11.1 33.1





#27

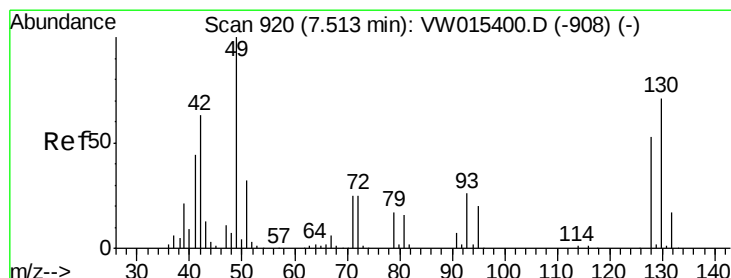
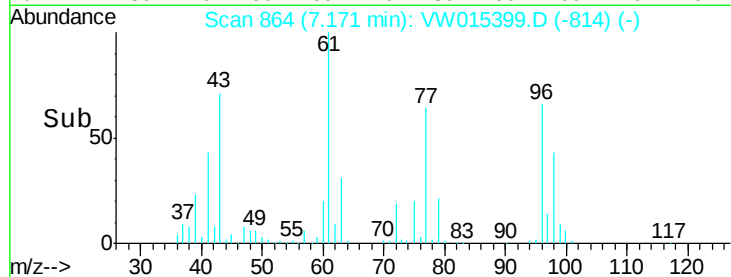
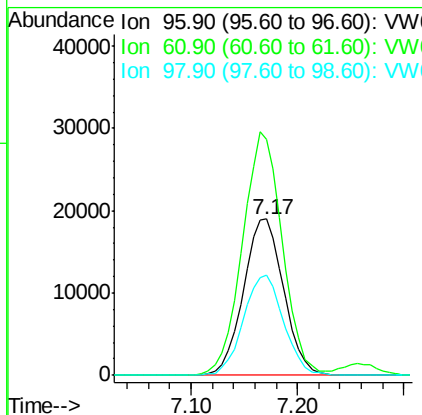
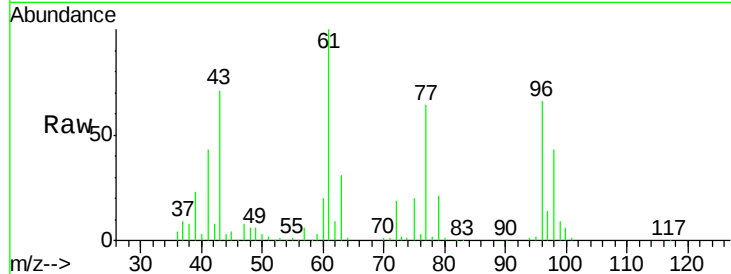
cis-1,2-Dichloroethene
Concen: 21.912 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	304.6
98	63.7	0.0	129.2

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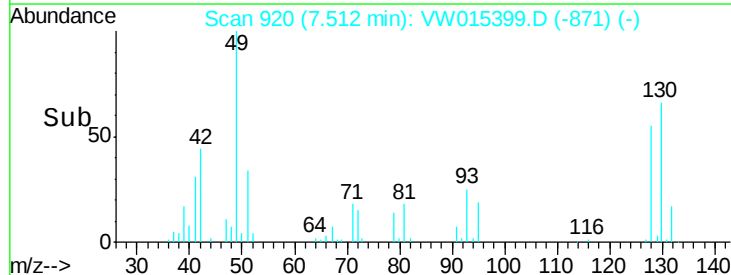
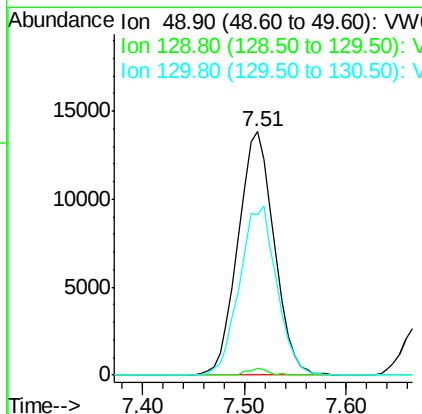
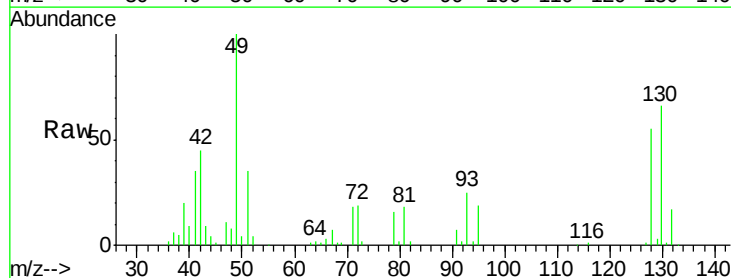
MMDadoda
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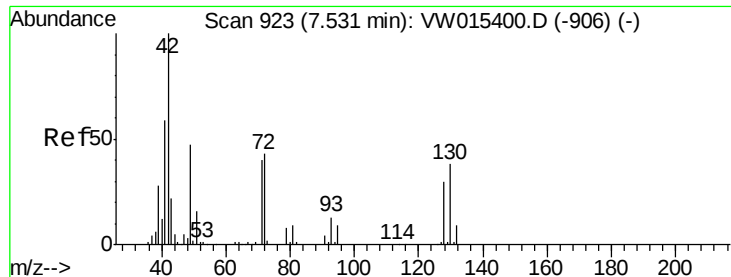


#28

Bromochloromethane
Concen: 27.152 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	71.1	57.0	85.4





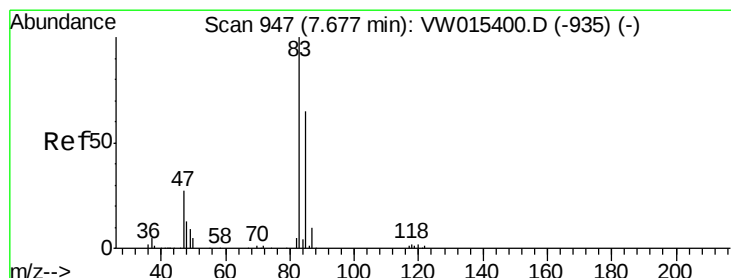
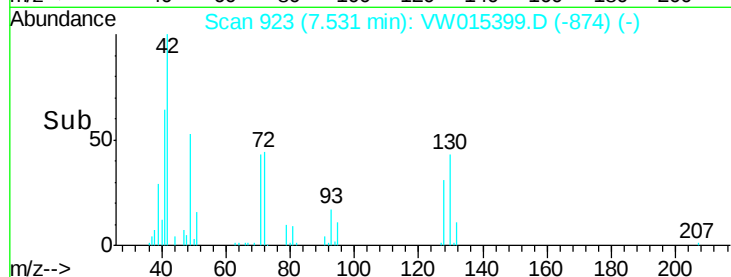
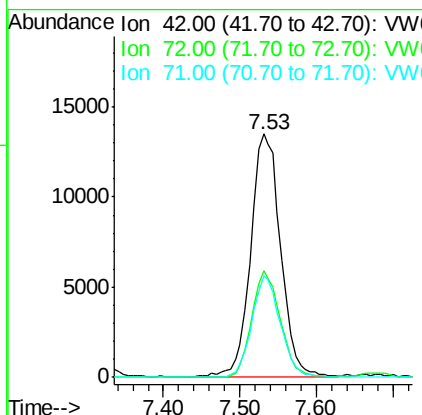
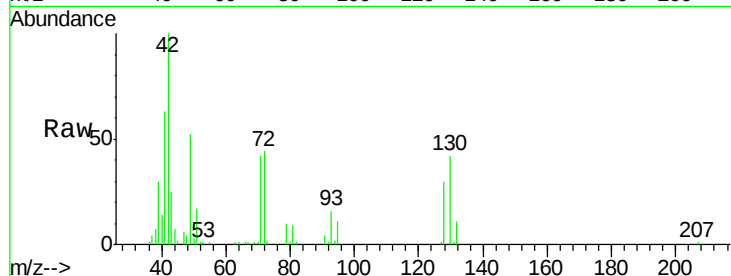
#29
Tetrahydrofuran
Concen: 134.321 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.6	50.4
71	39.7	32.1	48.1

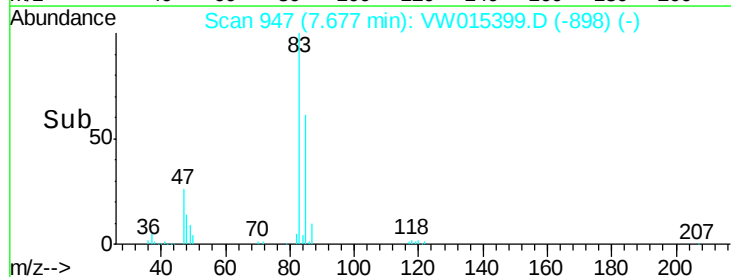
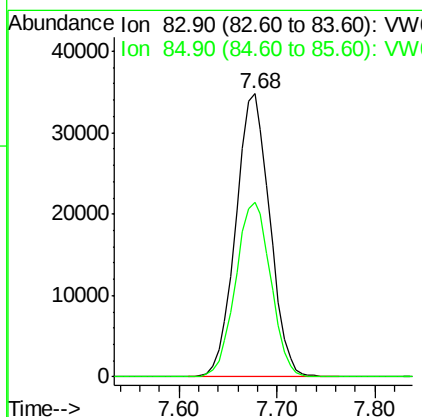
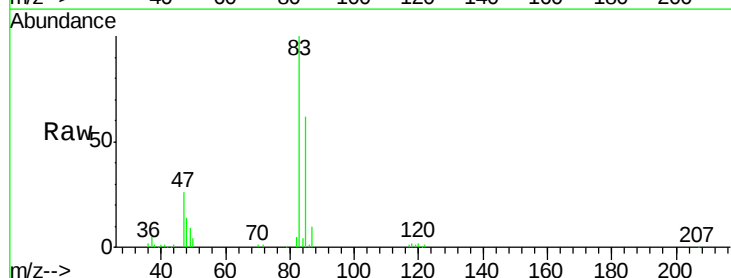
Manual Integrations
APPROVED

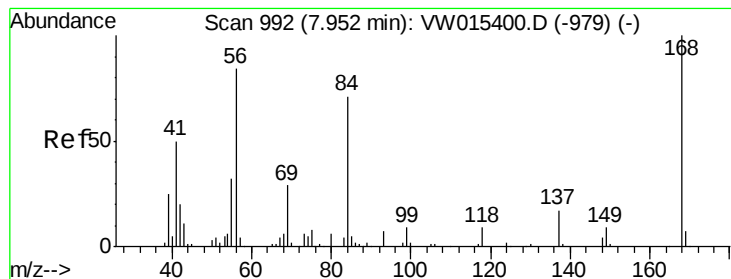
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#30
Chloroform
Concen: 23.191 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.8	77.6





#31

Cyclohexane

Concen: 24.297 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

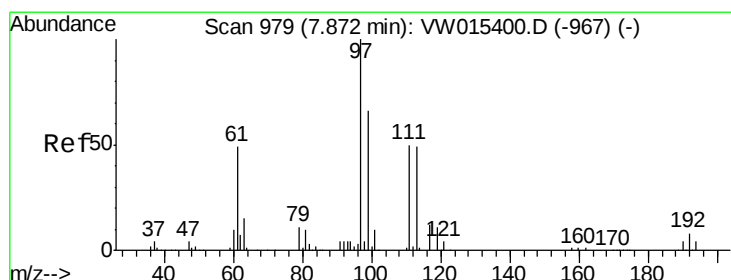
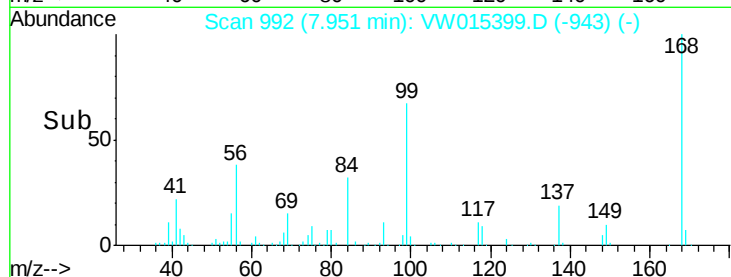
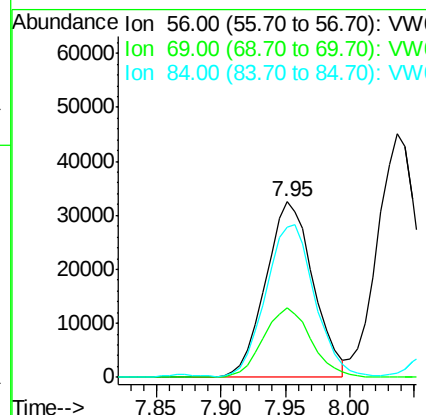
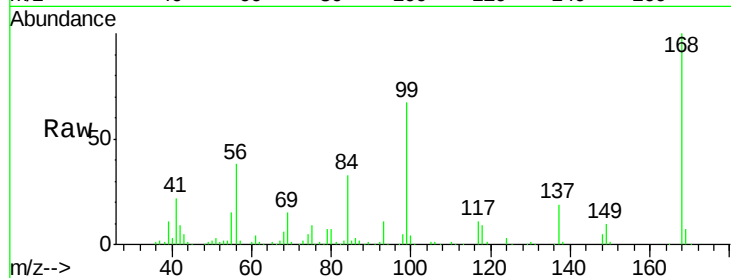
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	83433
Ion	Ratio	Lower	Upper
56	100		
69	39.6	27.2	40.8
84	84.3	67.7	101.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.834 ug/l

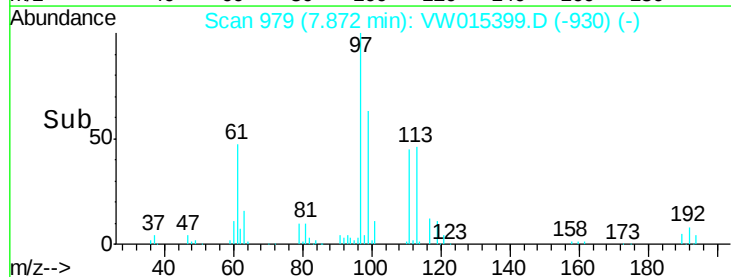
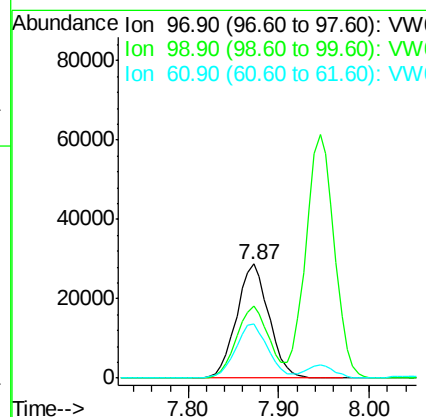
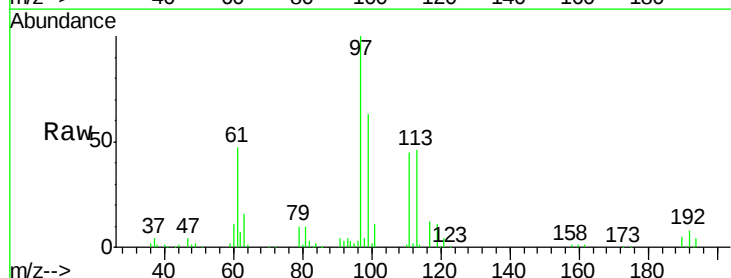
RT: 7.87 min Scan# 979

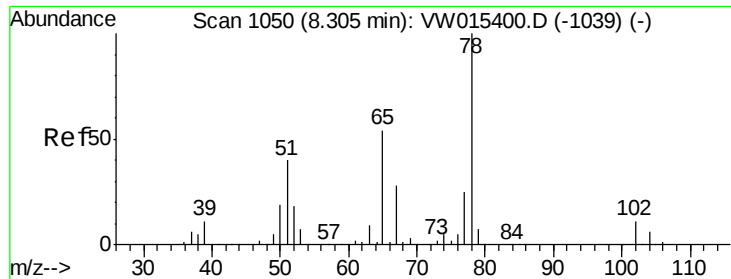
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	97	Resp:	71372
Ion	Ratio	Lower	Upper
97	100		
99	61.8	50.7	76.1
61	47.7	38.0	57.0





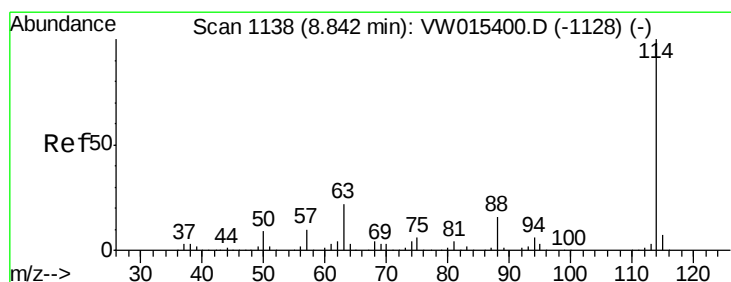
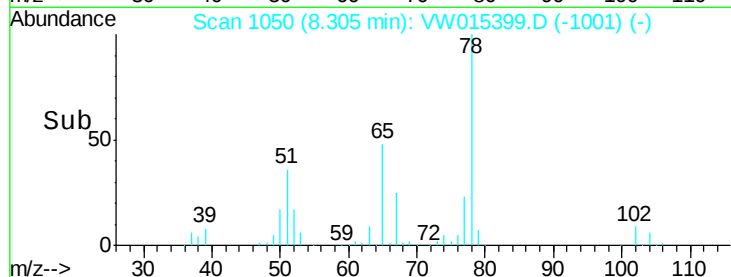
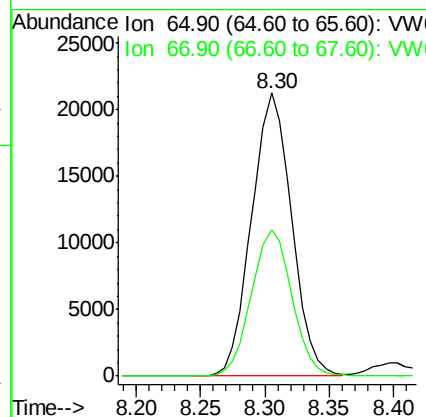
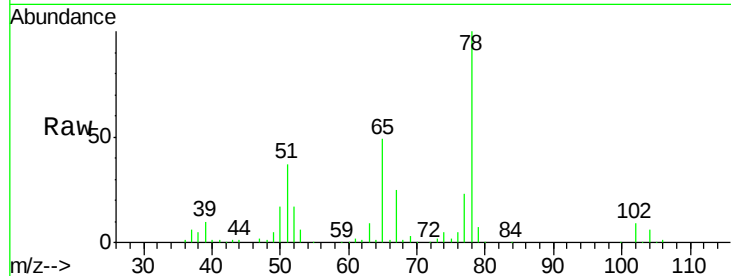
#33
 1,2-Dichloroethane-d4
 Concen: 24.781 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	102.8	

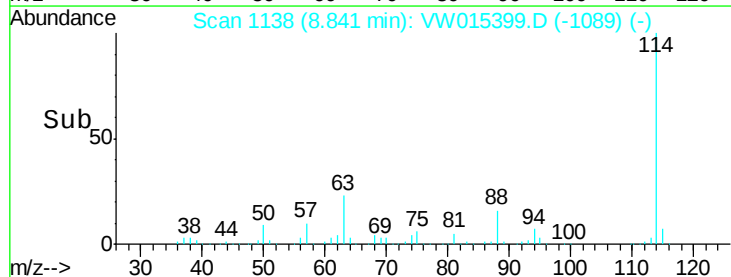
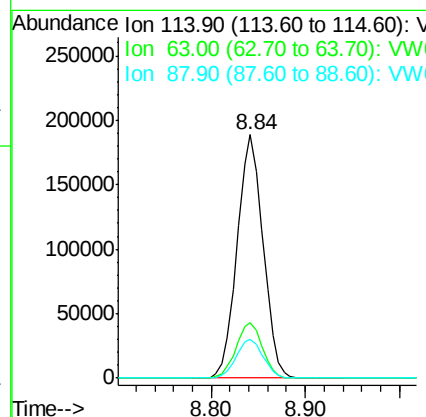
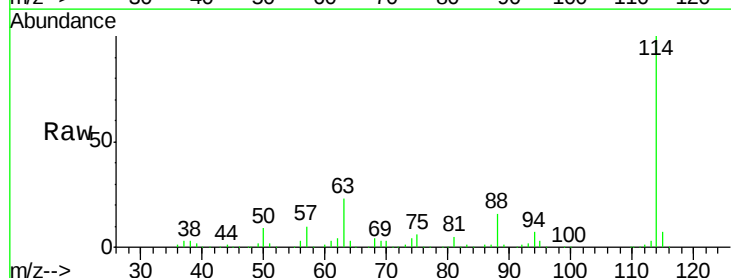
Manual Integrations
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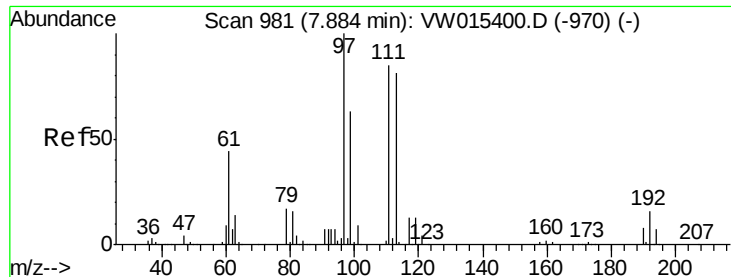
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	43.4	
88	16.1	0.0	31.8	





#35

Dibromofluoromethane

Concen: 20.256 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

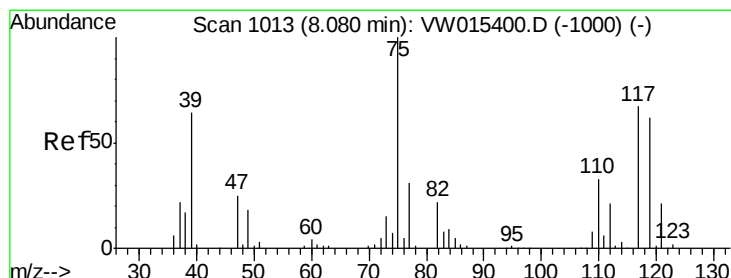
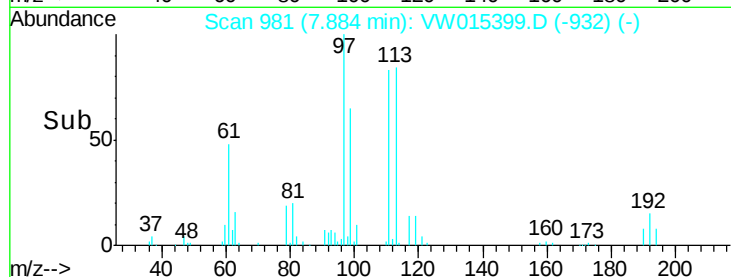
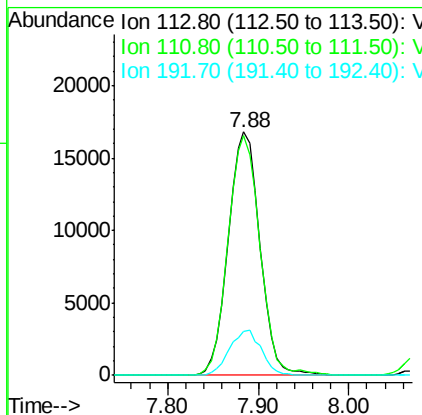
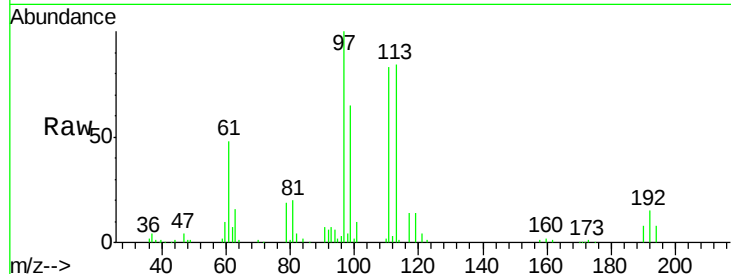
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	40707
Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.9	124.3
192	18.6	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.877 ug/l

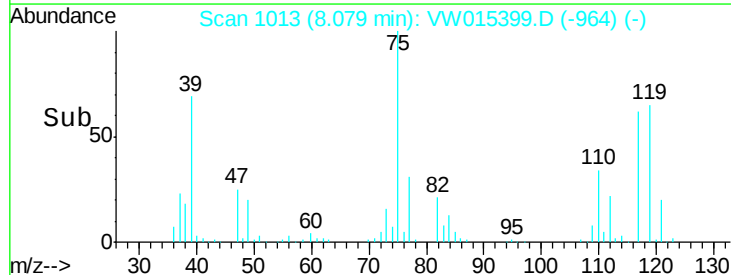
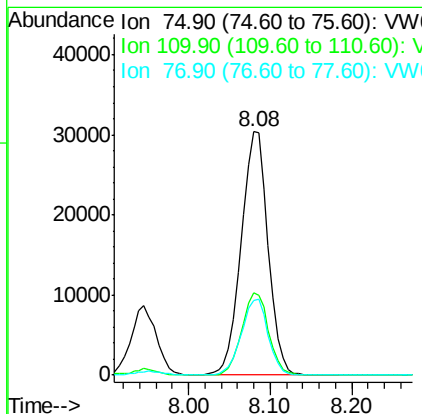
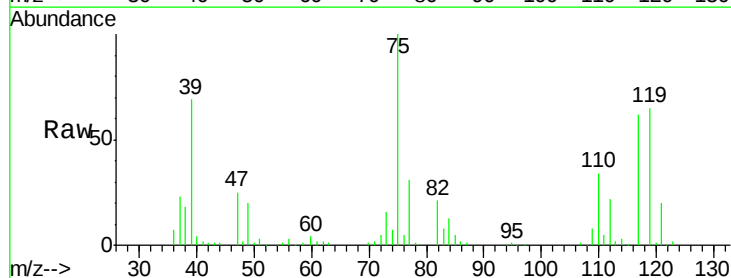
RT: 8.08 min Scan# 1013

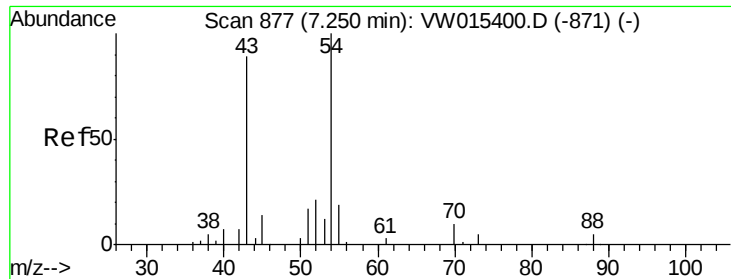
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	75	Resp:	69521
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.6	49.8
77	31.1	24.5	36.7





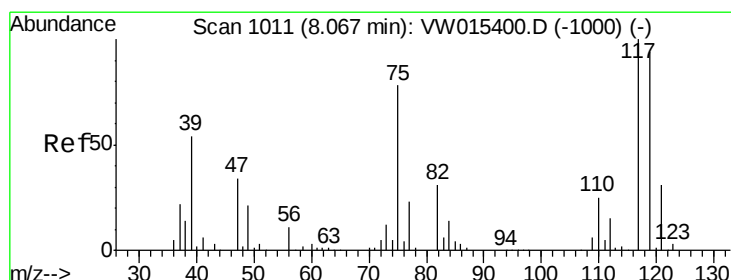
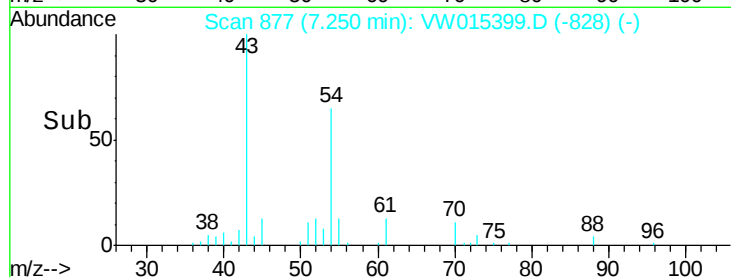
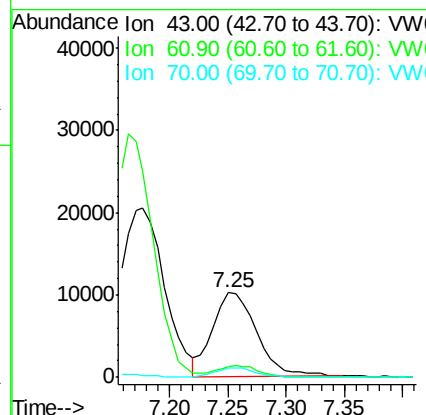
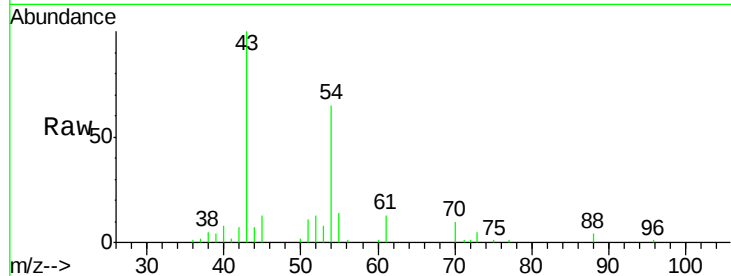
#37
Ethyl Acetate
Concen: 23.713 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	10.6	8.0	12.0

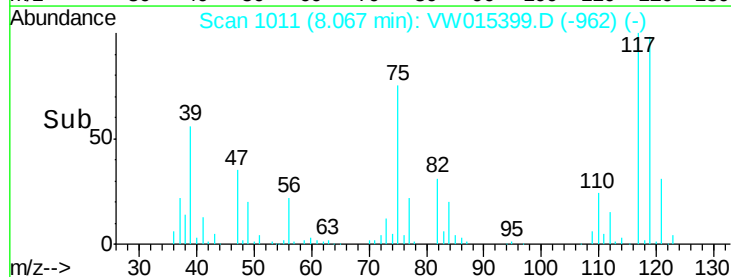
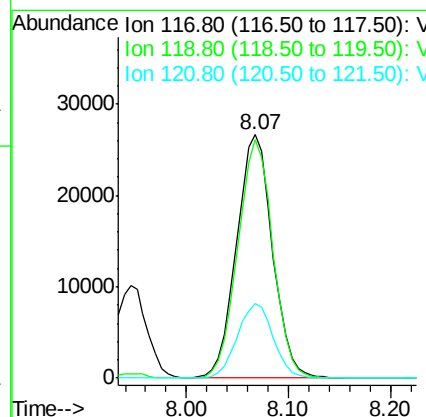
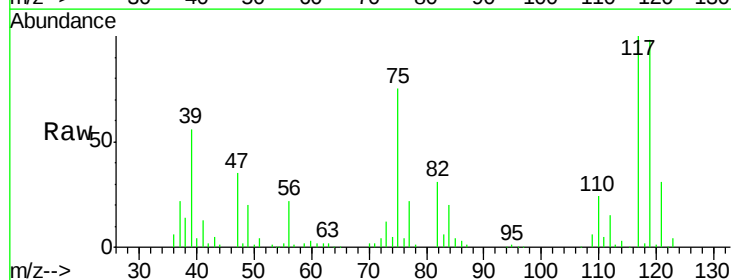
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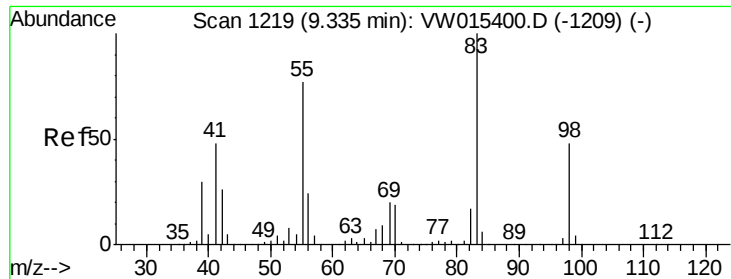
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5/6/2020 12:11:55 PM



#38
Carbon Tetrachloride
Concen: 18.298 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.4	113.0
121	30.7	24.8	37.2





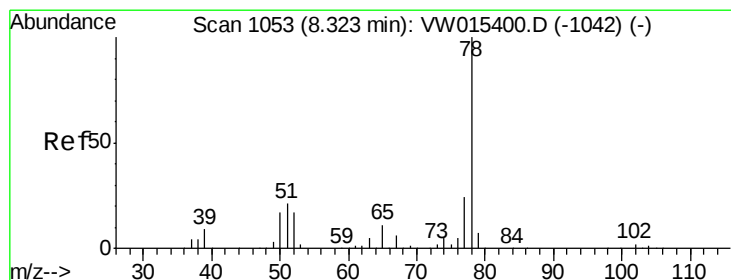
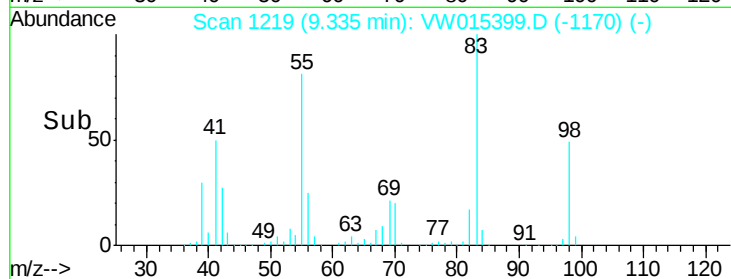
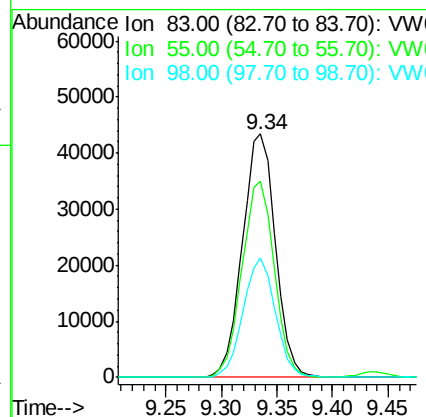
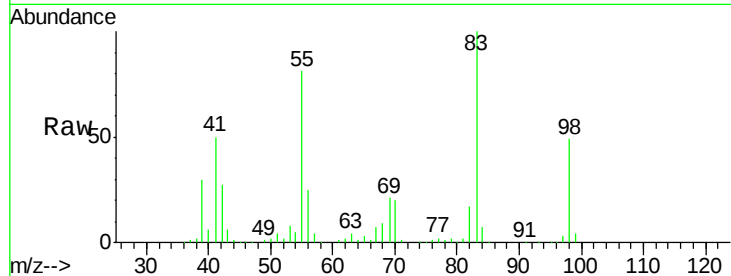
#39
Methvlcvclohexane
Concen: 20.306 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.5	61.9	92.9	
98	48.9	38.2	57.2	

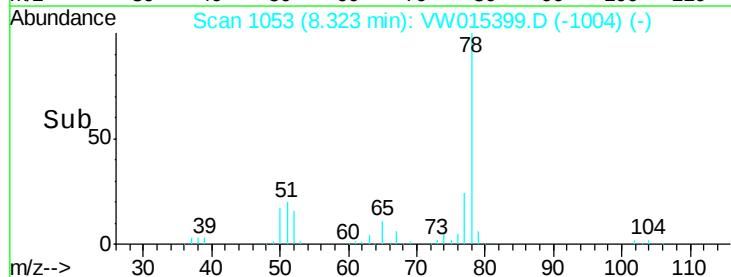
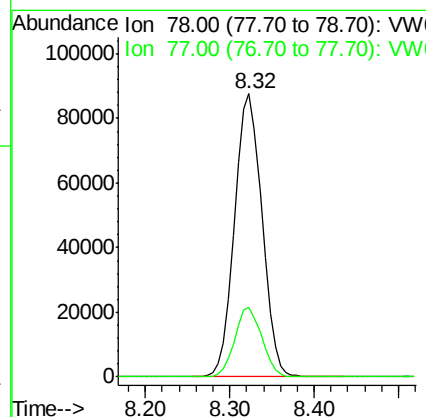
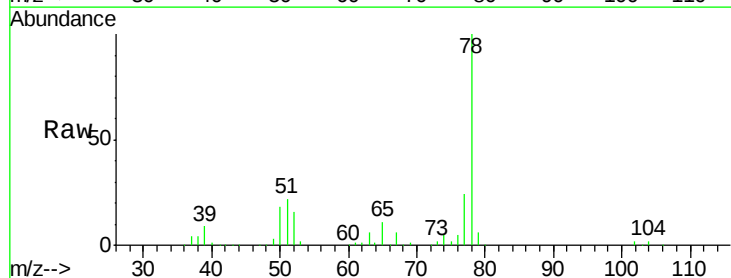
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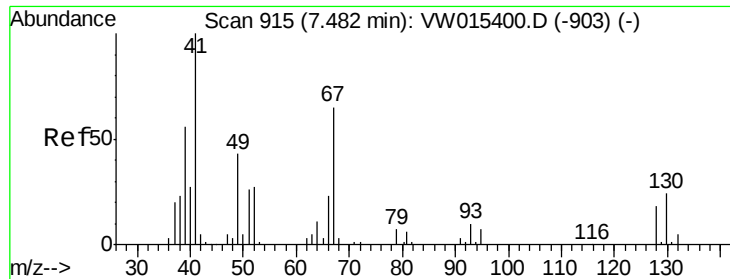
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#40
Benzene
Concen: 21.720 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.0	28.4	





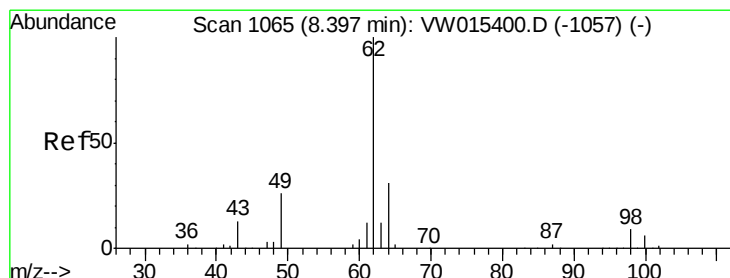
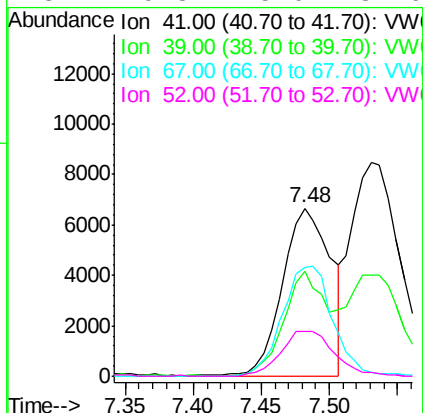
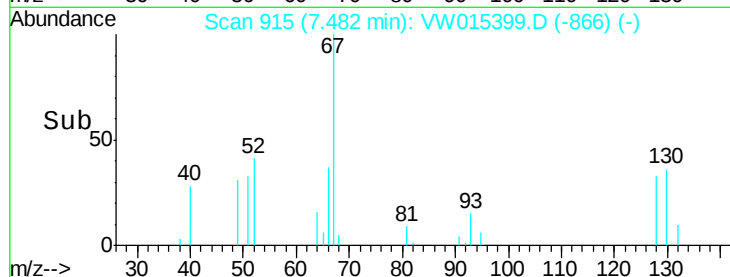
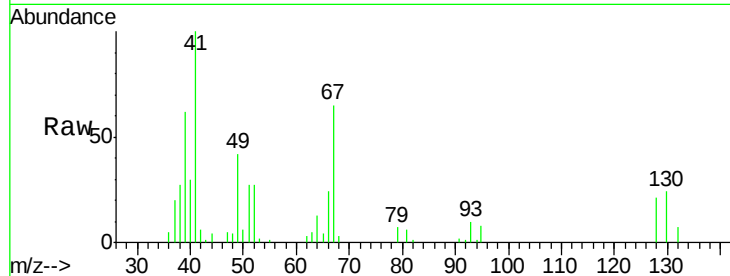
#41
Methacrylonitrile
Concen: 24.457 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	46.2	69.4
67	68.1	56.2	84.2
52	29.8	25.0	37.6

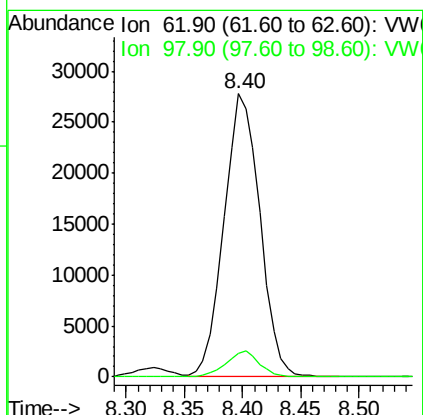
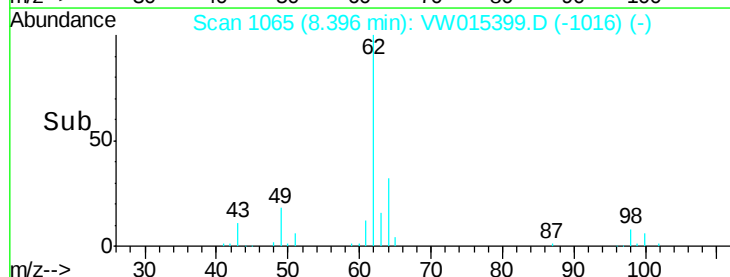
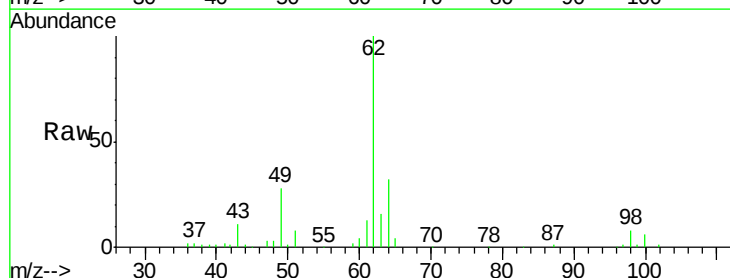
Manual Integrations
APPROVED

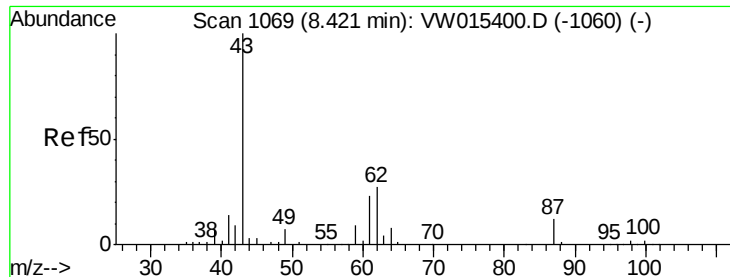
MMDadoda
5/6/2020 12:11:55 PM



#42
1,2-Dichloroethane
Concen: 22.556 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6





#43

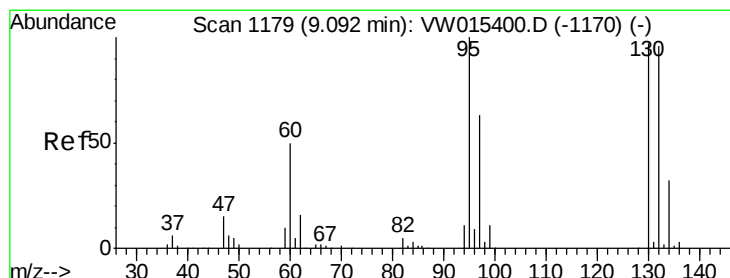
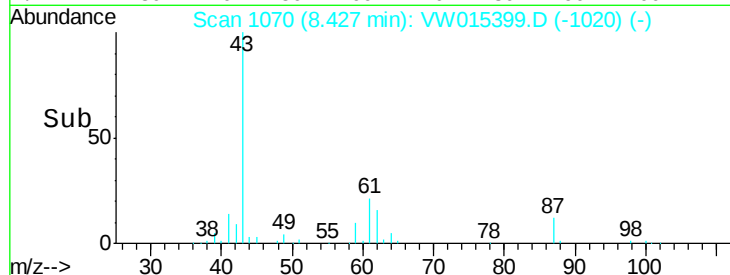
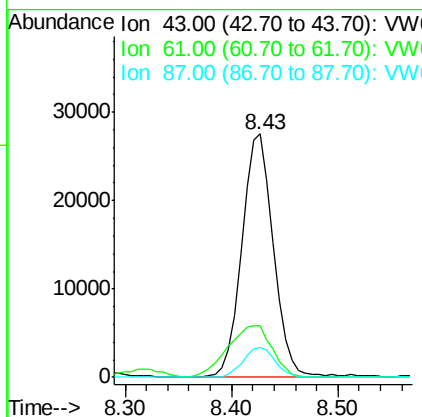
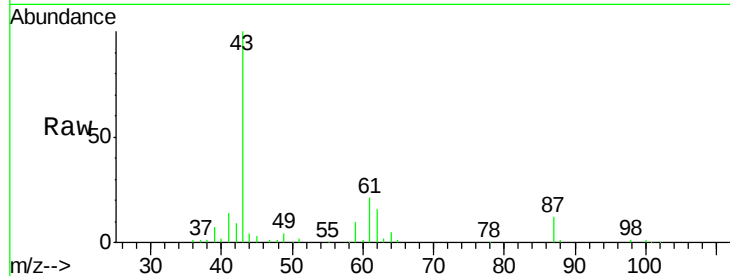
Isopropyl Acetate
 Concen: 24.558 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.3	36.5
87	12.5	10.1	15.1

Manual Integrations
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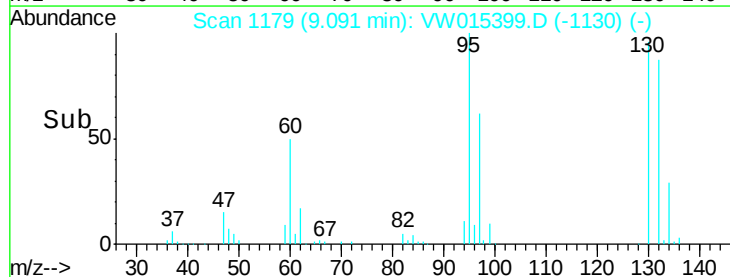
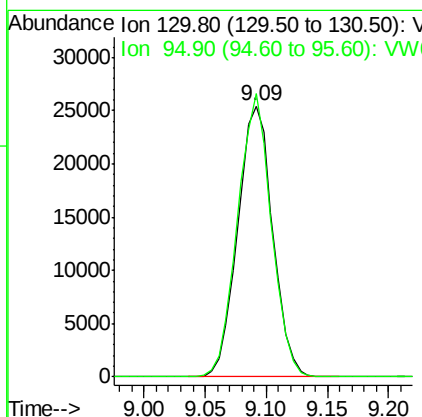
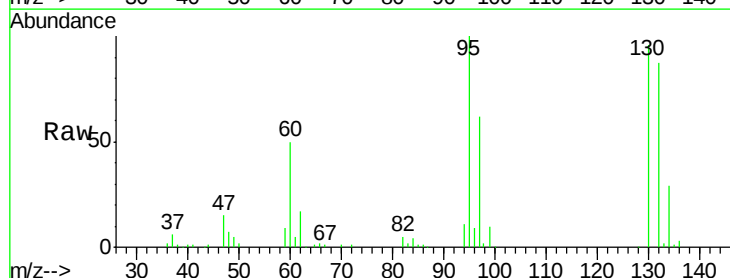
MMDadoda
 5/6/2020 12:11:55 PM

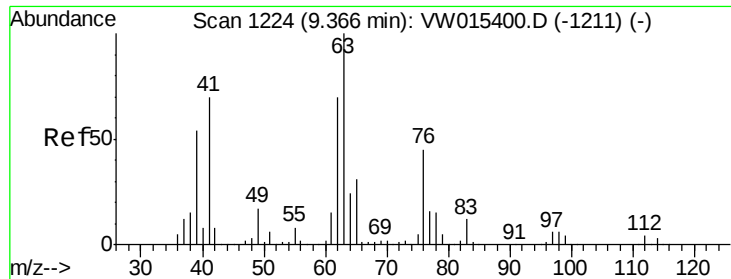


#44

Trichloroethene
 Concen: 18.977 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	205.8





#45

1,2-Dichloropropane

Concen: 22.764 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 47649

Ion Ratio Lower Upper

63 100

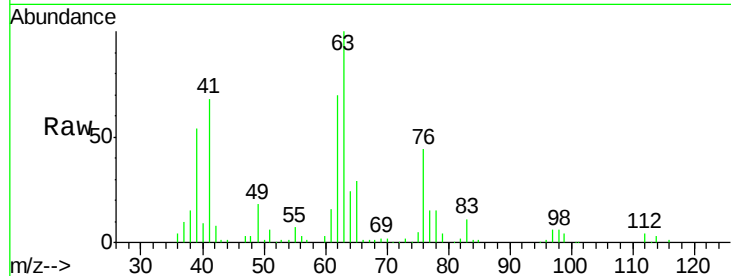
65 29.0 25.0 37.6

Manual Integrations

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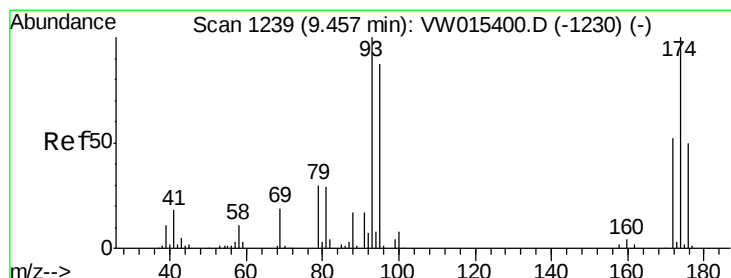
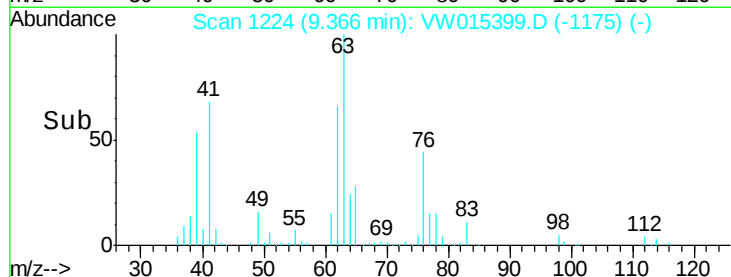
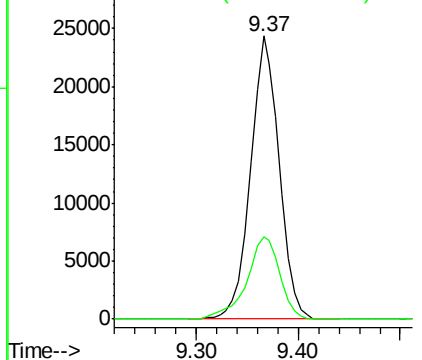
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.060 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

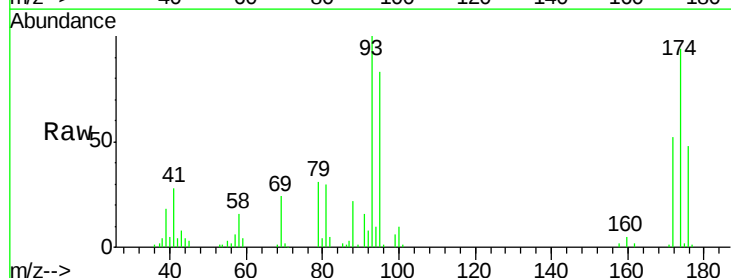
Tgt Ion: 93 Resp: 23723

Ion Ratio Lower Upper

93 100

95 81.4 67.0 100.4

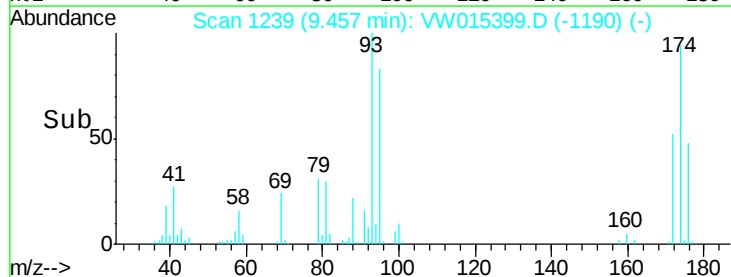
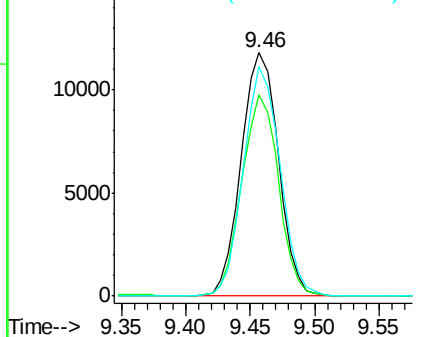
174 92.5 78.4 117.6

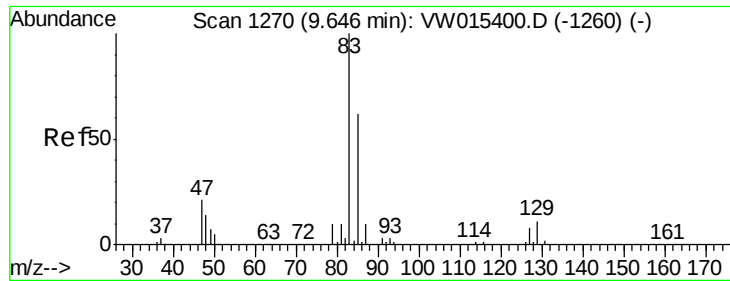


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





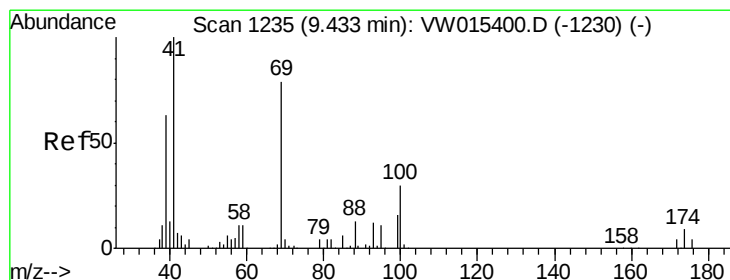
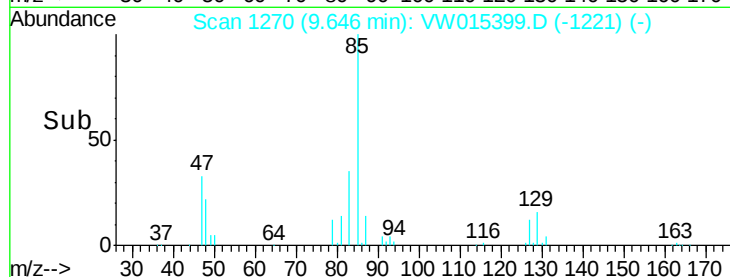
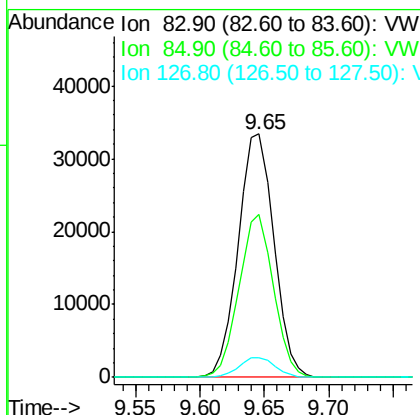
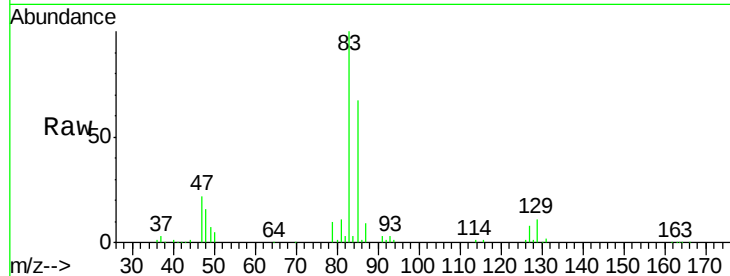
#47
 Bromodichloromethane
 Concen: 20.216 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	64152
Ion Ratio	100	Lower	Upper
83	100		
85	66.9	49.4	74.0
127	7.8	6.4	9.6

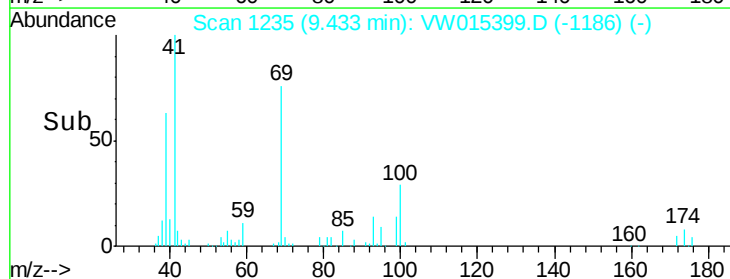
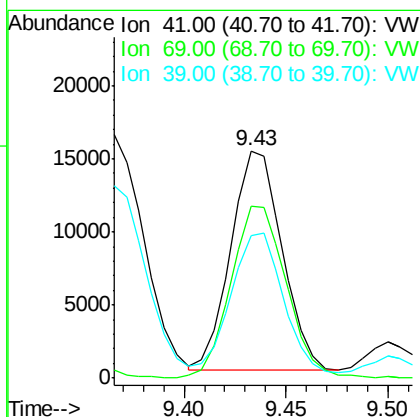
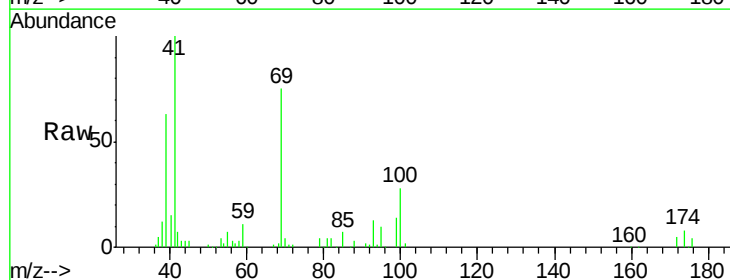
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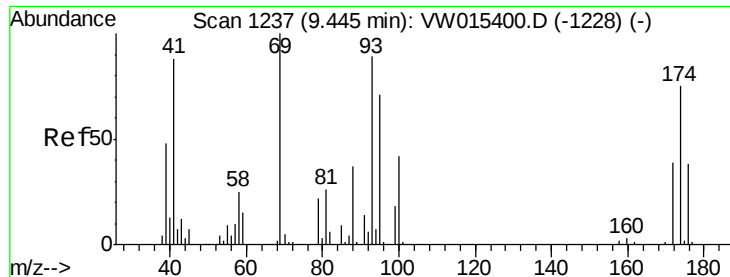
MMDadoda
 5/6/2020 12:11:55 PM



#48
 Methyl methacrylate
 Concen: 23.821 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	41	Resp	26192
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	66.2	99.4
39	63.9	51.1	76.7





#49

1,4-Dioxane

Concen: 372.214 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 5810

Ion Ratio Lower Upper

88 100

43 34.5 30.6 45.8

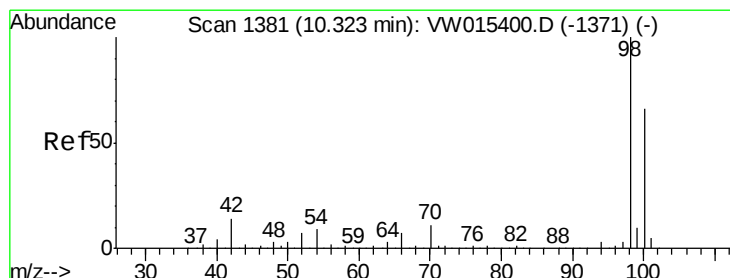
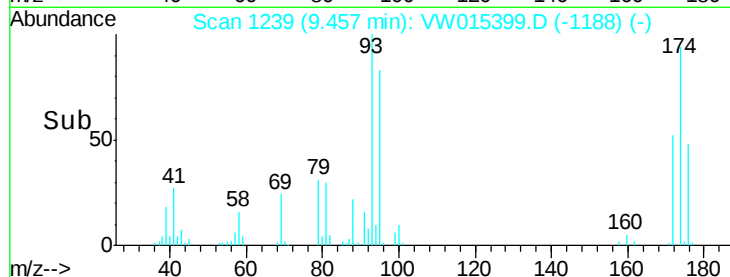
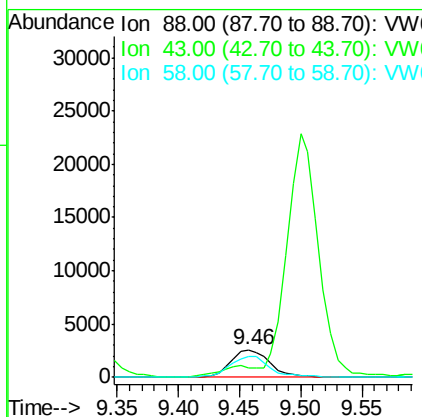
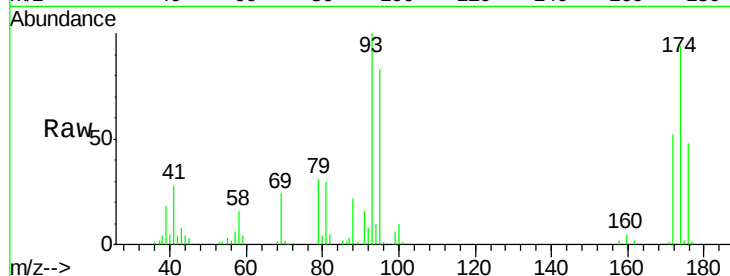
58 77.9 56.3 84.5

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#50

Toluene-d8

Concen: 20.019 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015399.D

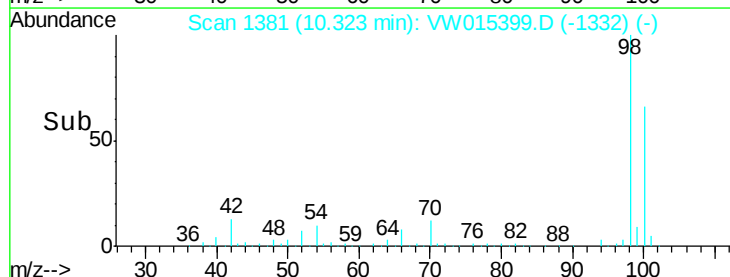
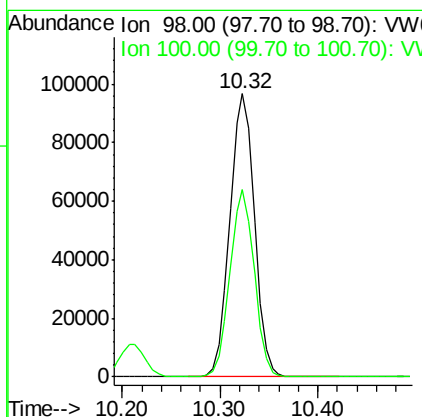
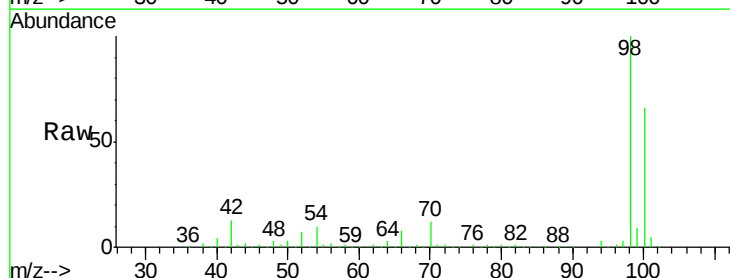
Acq: 05 May 2020 17:04

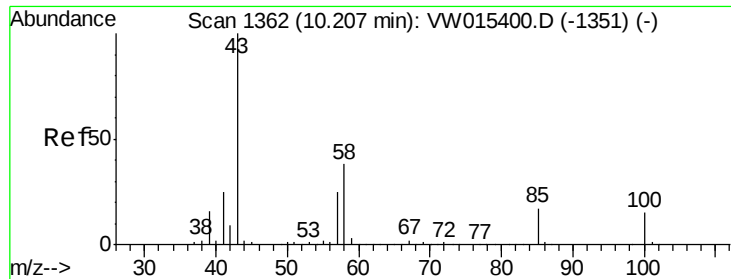
Tgt Ion: 98 Resp: 168882

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 122.255 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 134647

Ion Ratio Lower Upper

43 100

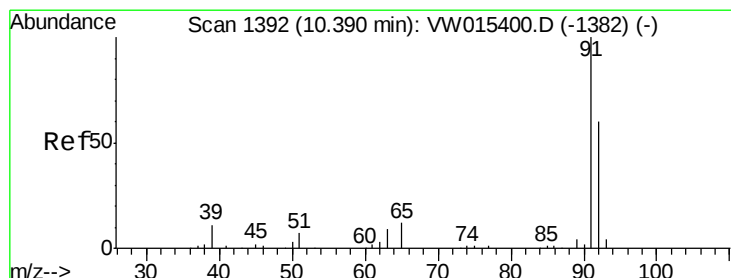
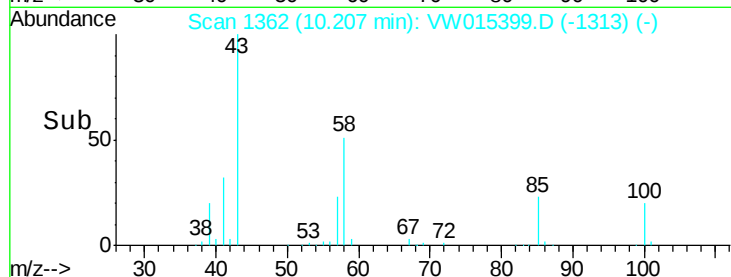
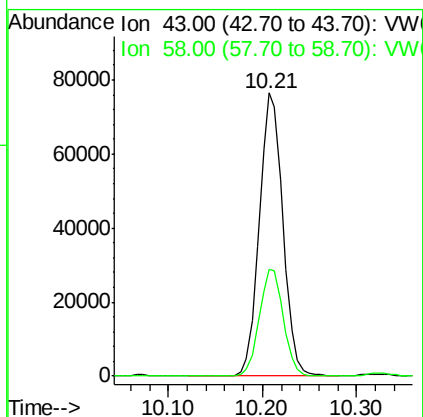
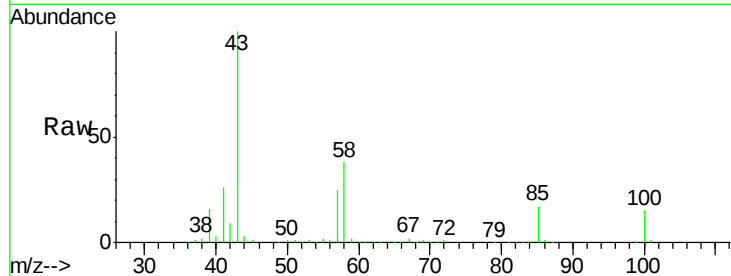
58 38.7 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 20.404 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015399.D

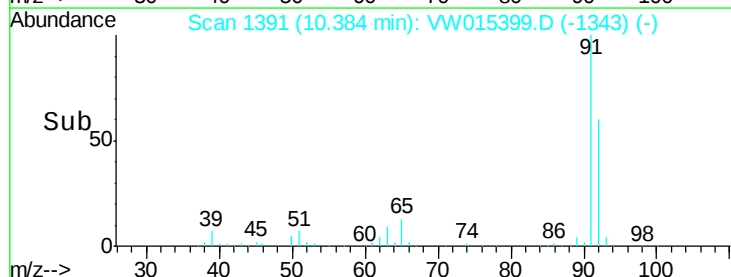
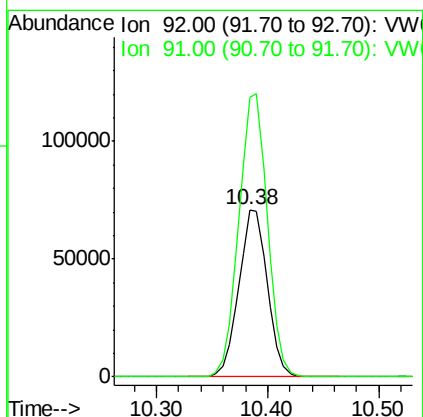
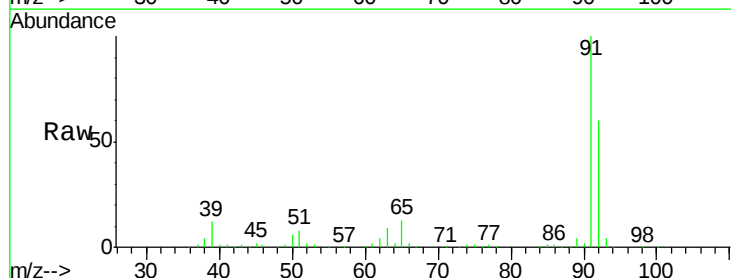
Acq: 05 May 2020 17:04

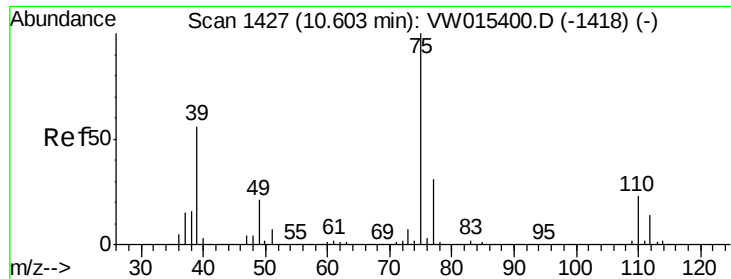
Tgt Ion: 92 Resp: 125536

Ion Ratio Lower Upper

92 100

91 170.3 135.9 203.9





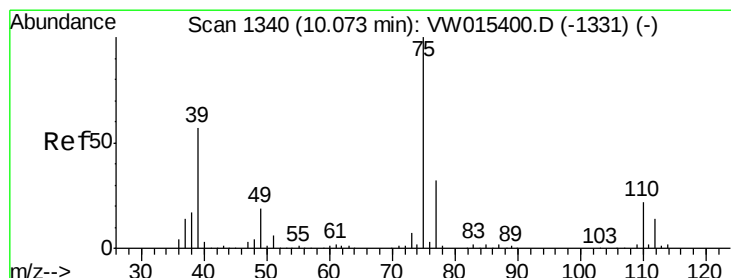
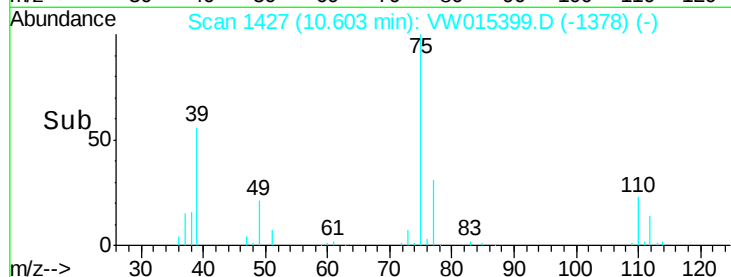
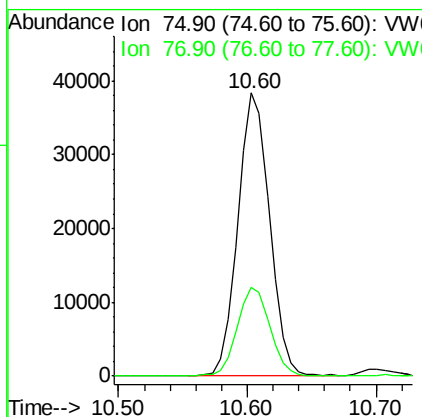
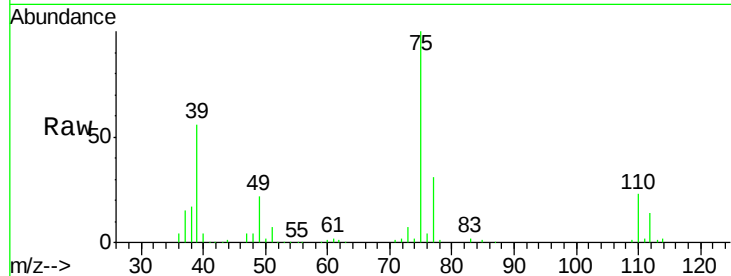
#53
t-1,3-Dichloropropene
Concen: 20.790 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 65292
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

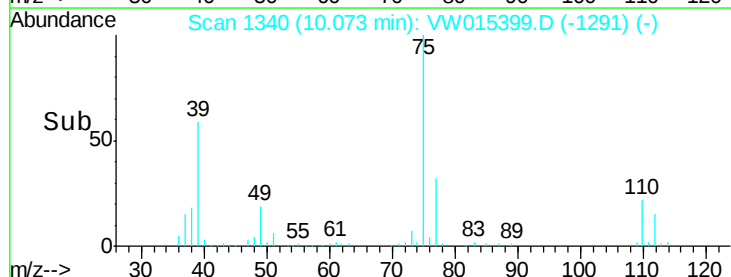
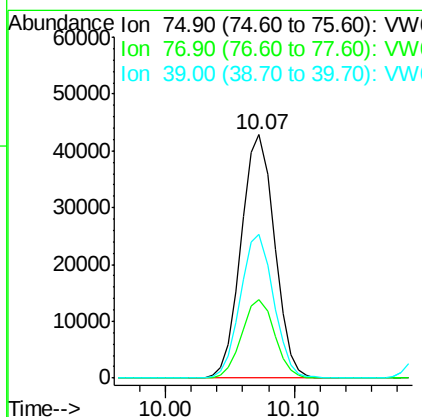
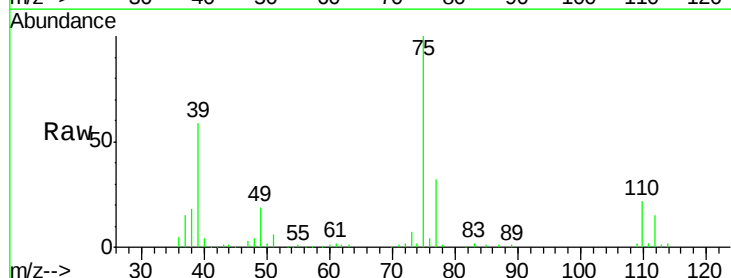
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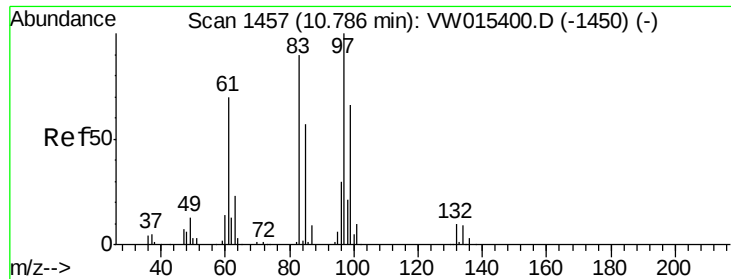
MMDadoda
5/6/2020 12:11:55 PM



#54
cis-1,3-Dichloropropene
Concen: 21.017 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 75 Resp: 76944
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4
39 58.9 45.6 68.4





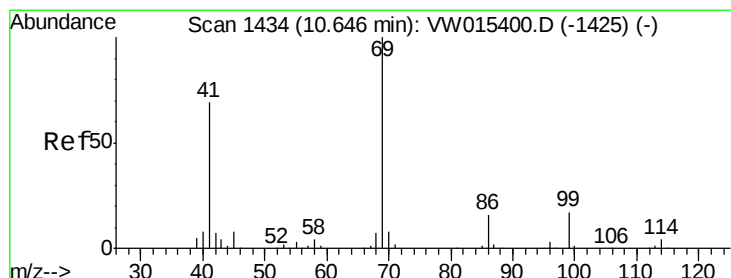
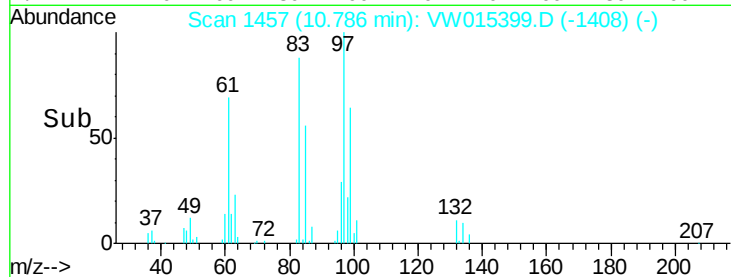
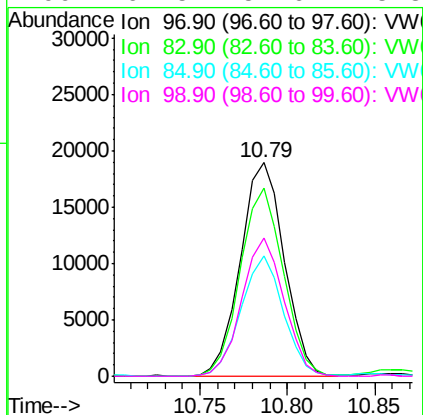
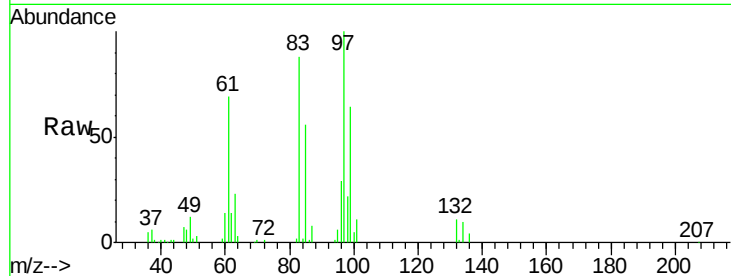
#55
 1,1,2-Trichloroethane
 Concen: 19.931 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	33015
Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.2	108.4
85	56.5	45.2	67.8
99	64.5	52.6	78.8

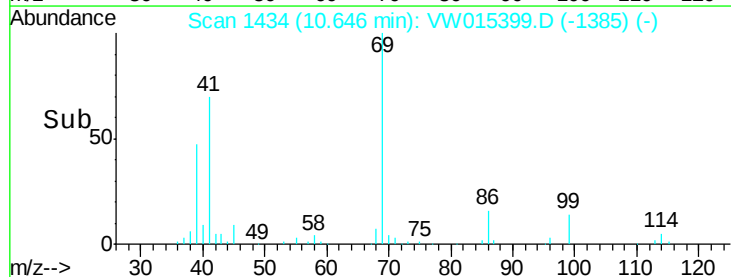
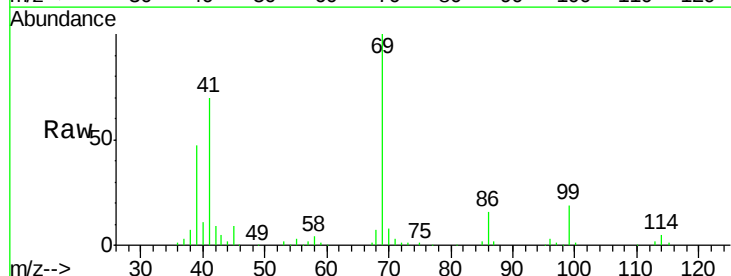
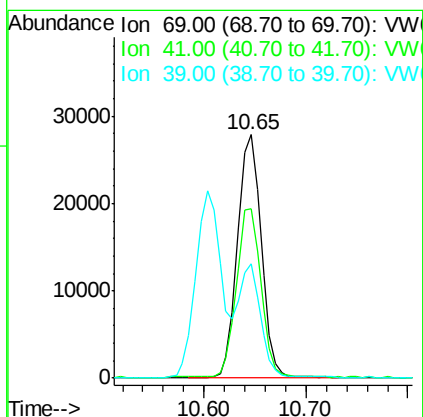
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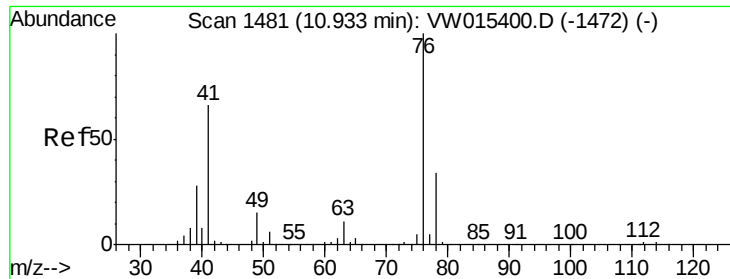
MMDadoda
 5/6/2020 12:11:55 PM



#56
 Ethyl methacrylate
 Concen: 20.938 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion:	69	Resp:	45224
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	41.2	31.9	47.9





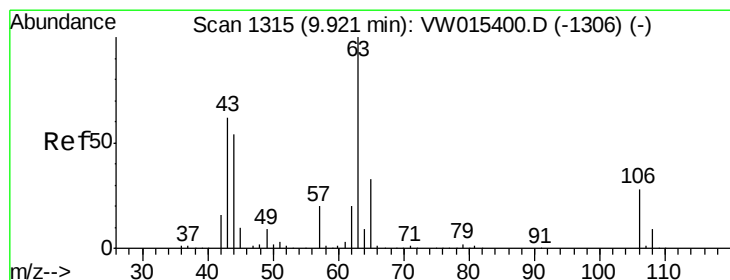
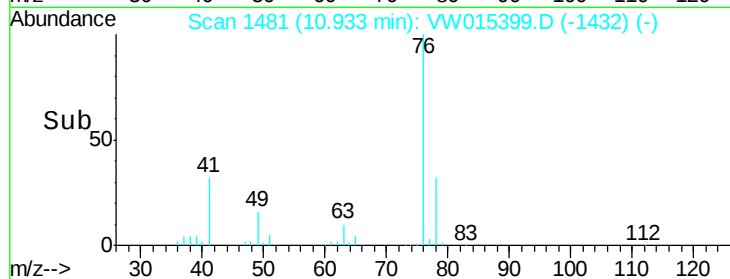
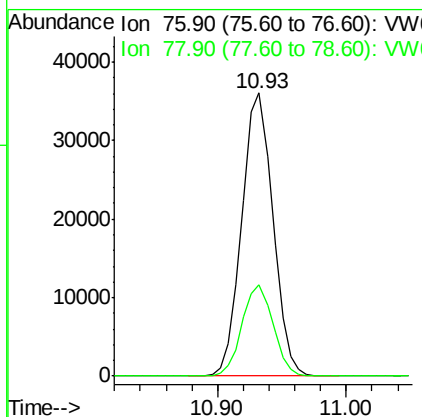
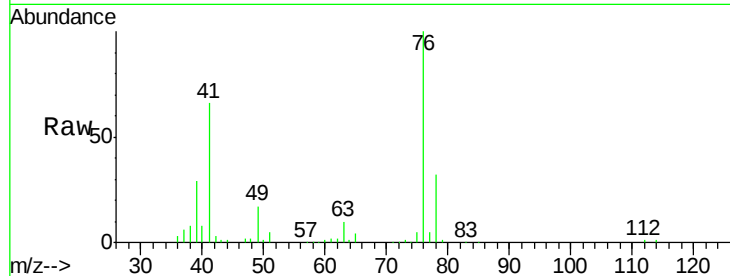
#57
 1,3-Dichloropropane
 Concen: 21.720 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

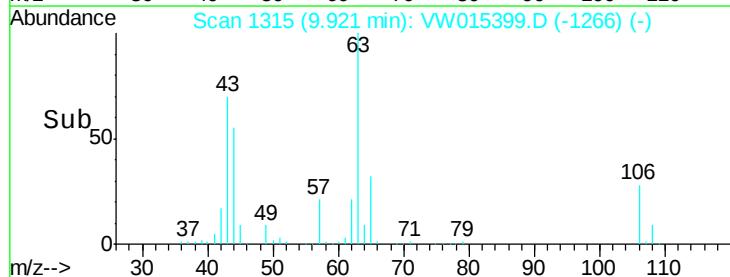
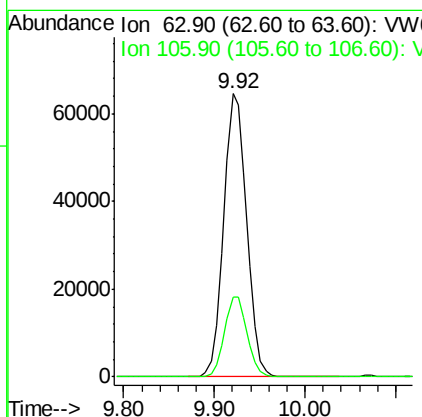
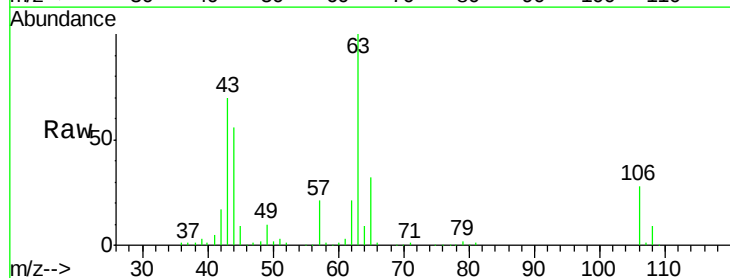
Manual Integrations
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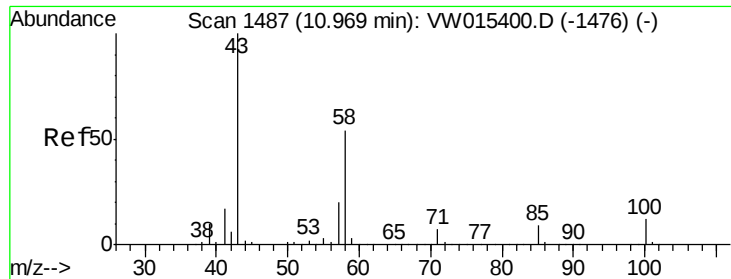
MMDadoda
 5/6/2020 12:11:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.972 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.6	33.8





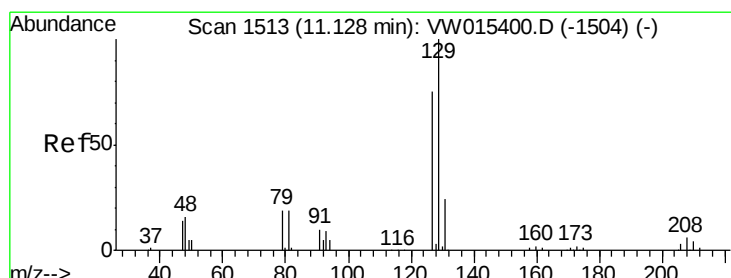
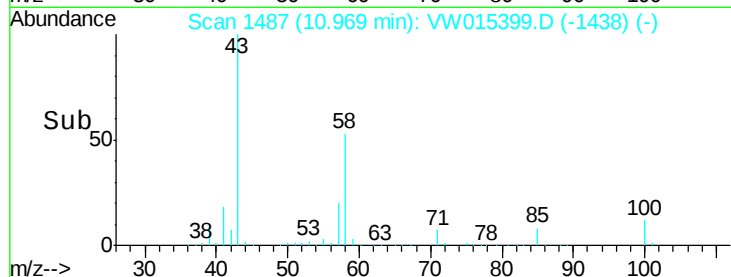
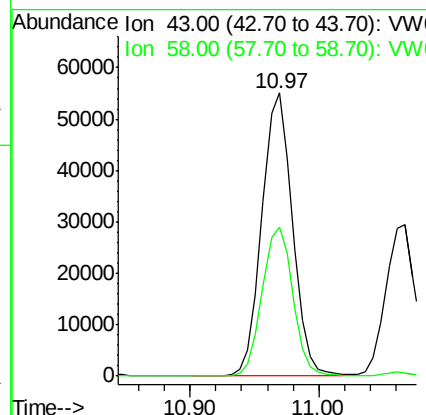
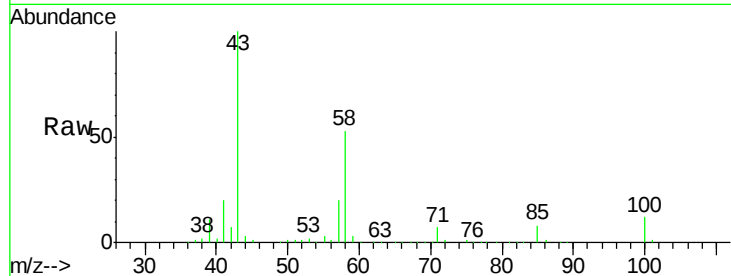
#59
2-Hexanone
Concen: 116.498 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 90624
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.0

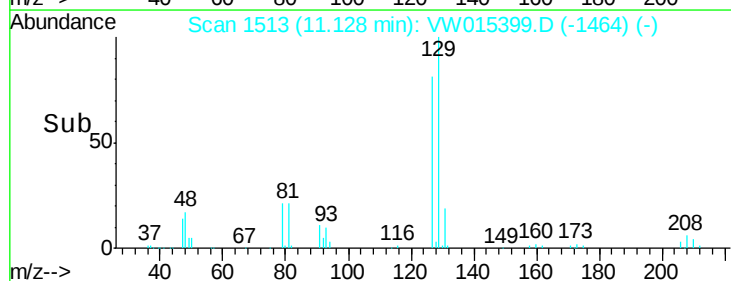
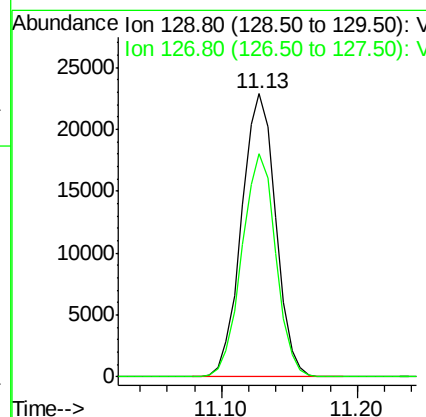
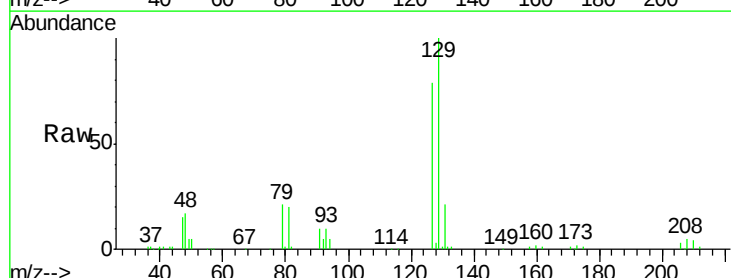
Manual Integrations
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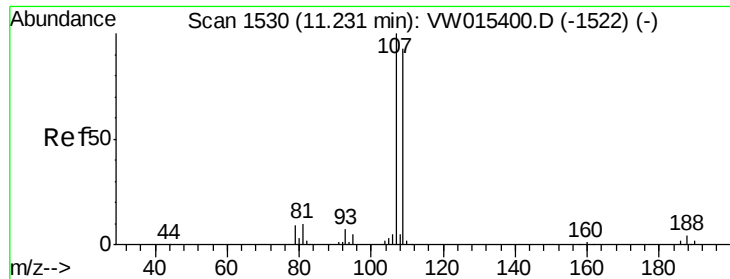
MMDadoda
5/6/2020 12:11:55 PM



#60
Dibromochloromethane
Concen: 18.626 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 129 Resp: 40152
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.711 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 31733

Ion Ratio Lower Upper

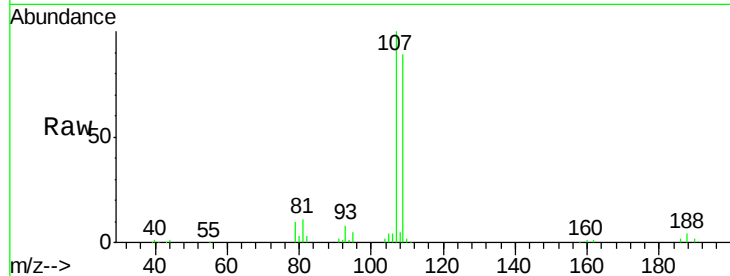
107 100

109 93.9 75.0 112.4

Manual Integrations
APPROVED

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5/6/2020 12:11:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

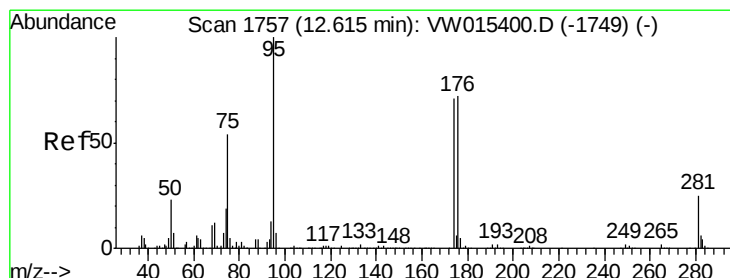
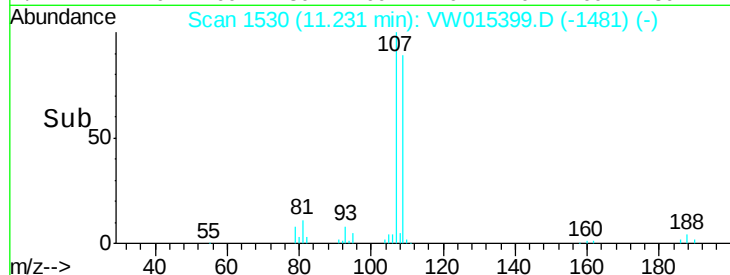
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.285 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

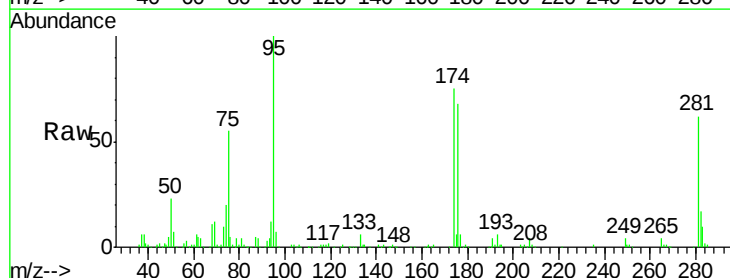
Tgt Ion: 95 Resp: 61723

Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.6

176 69.5 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

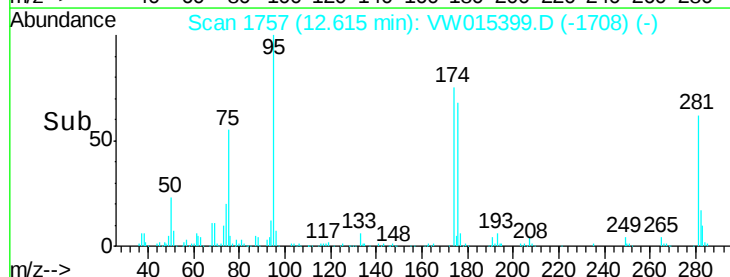
30000

20000

10000

0

Time-->





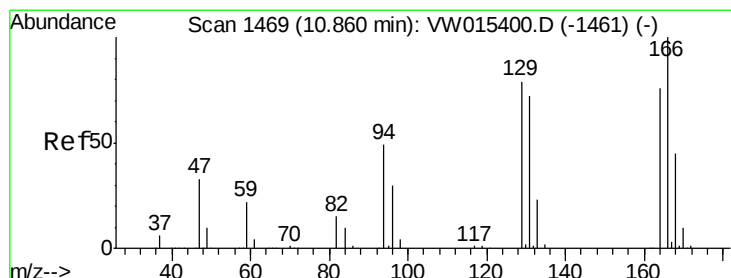
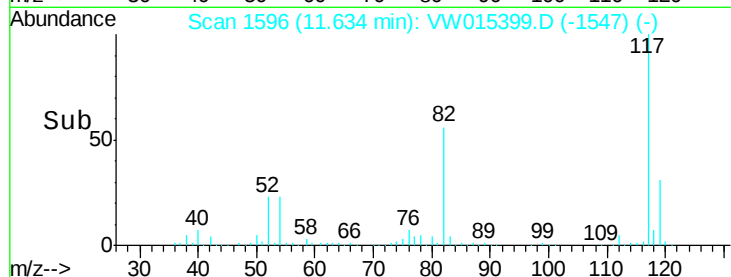
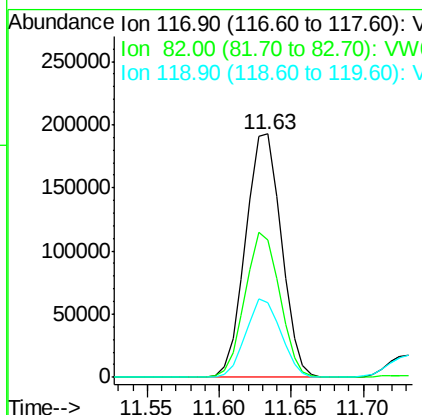
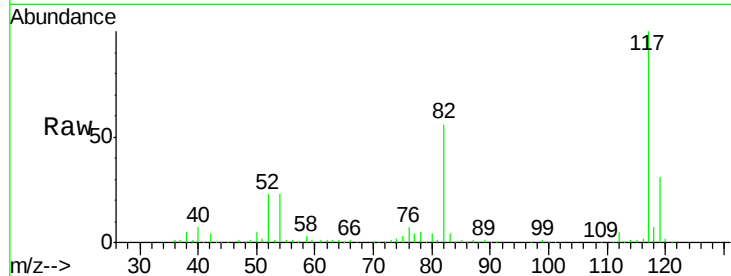
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	30.7	24.6	37.0

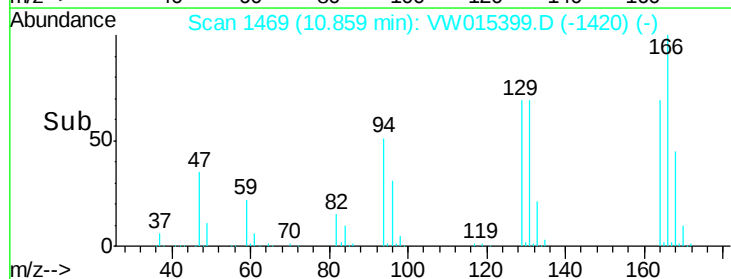
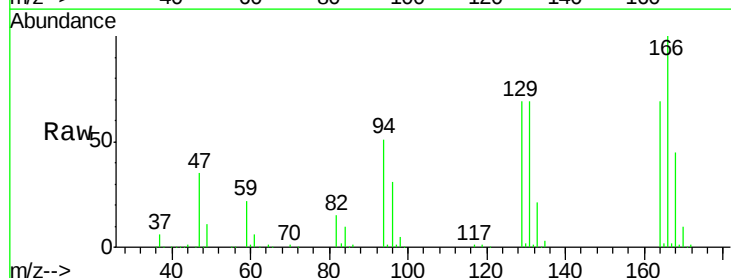
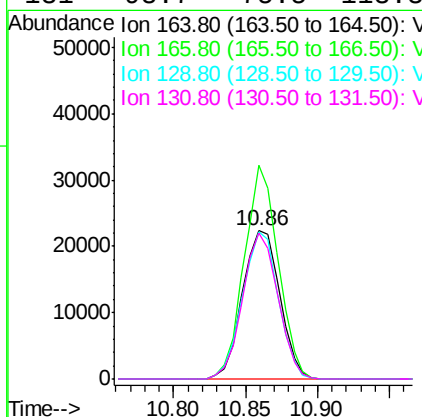
Manual Integrations
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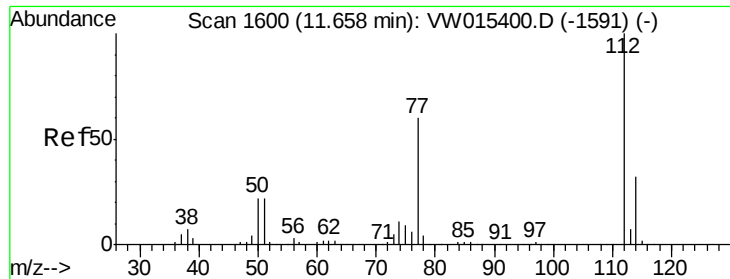
MMDadoda
5/6/2020 12:11:55 PM



#64
Tetrachloroethene
Concen: 17.155 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	144.0	104.9	157.3
129	99.7	82.7	124.1
131	98.7	75.5	113.3





#65

Chlorobenzene

Concen: 19.553 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 128387

Ion Ratio Lower Upper

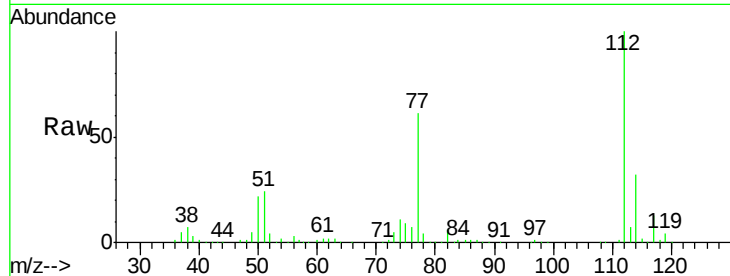
112 100

114 32.1 25.6 38.4

Manual Integrations
APPROVED

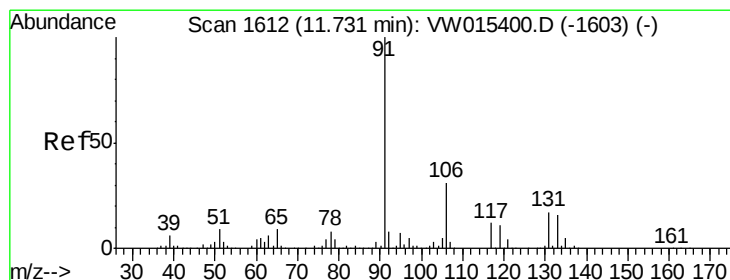
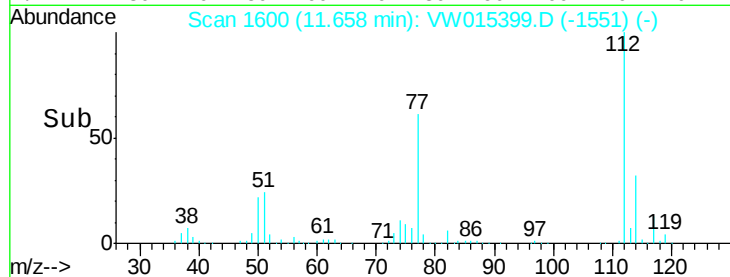
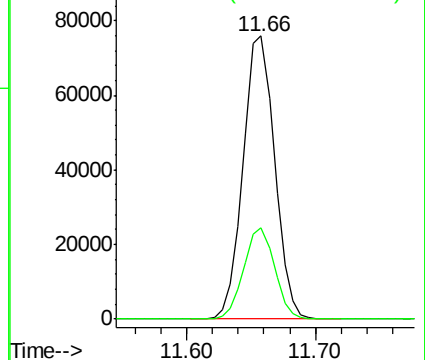
MMDadoda

5/6/2020 12:11:55 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.170 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

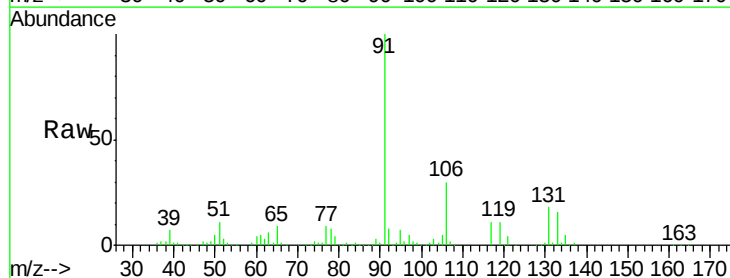
Tgt Ion:131 Resp: 45169

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.8

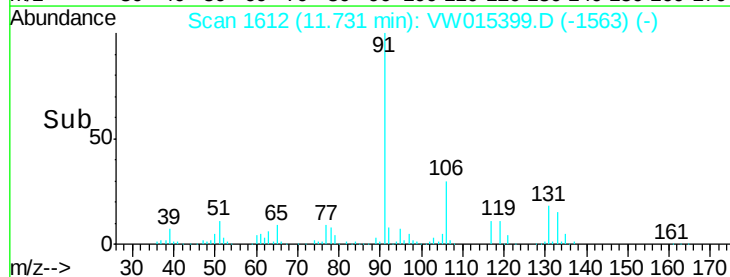
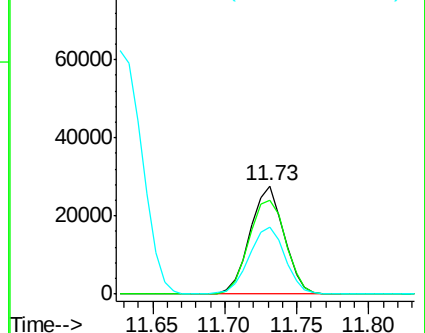
119 64.9 33.0 99.0

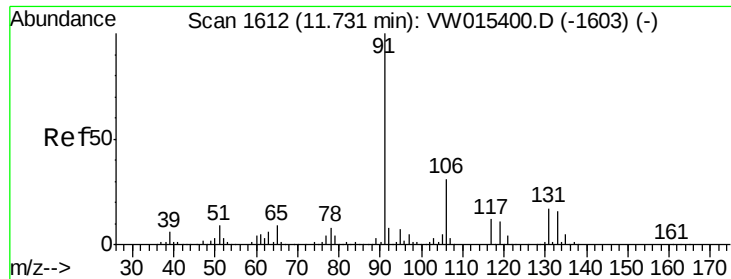


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





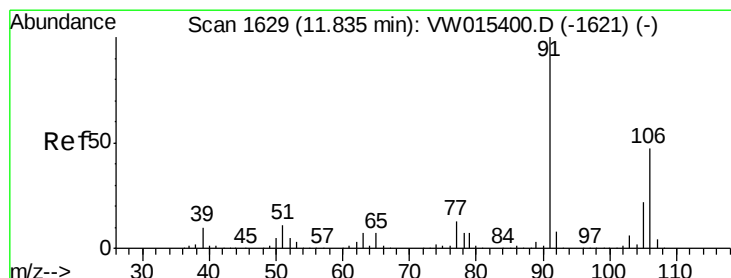
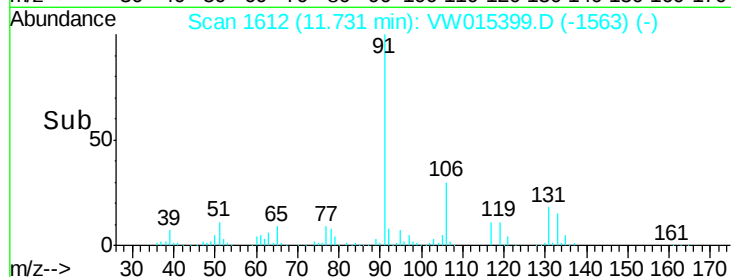
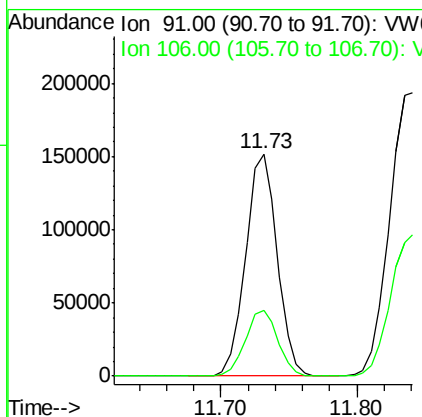
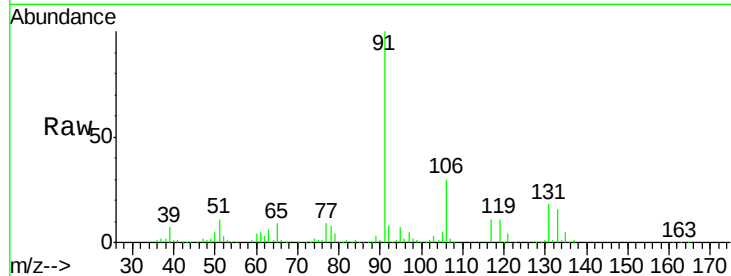
#67
Ethyl Benzene
Concen: 20.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 246629
Ion Ratio Lower Upper
91 100
106 29.8 25.2 37.8

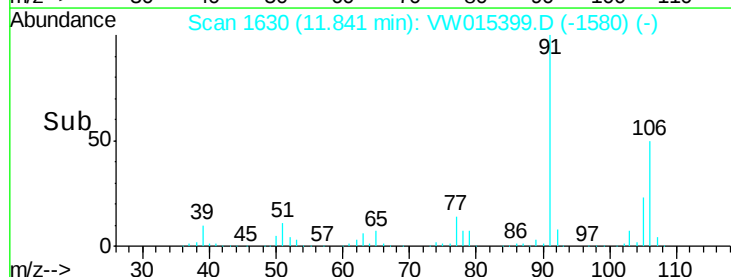
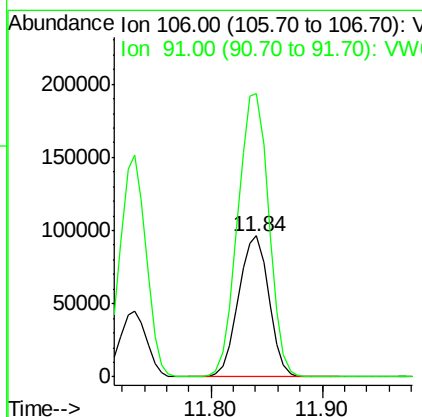
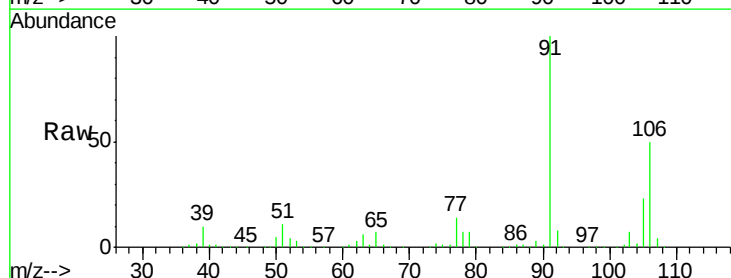
Manual Integrations
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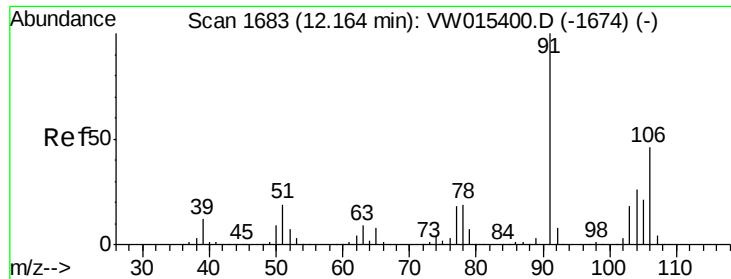
MMDadoda
5/6/2020 12:11:55 PM



#68
m/p-Xylenes
Concen: 38.275 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion: 106 Resp: 182536
Ion Ratio Lower Upper
106 100
91 205.2 165.7 248.5





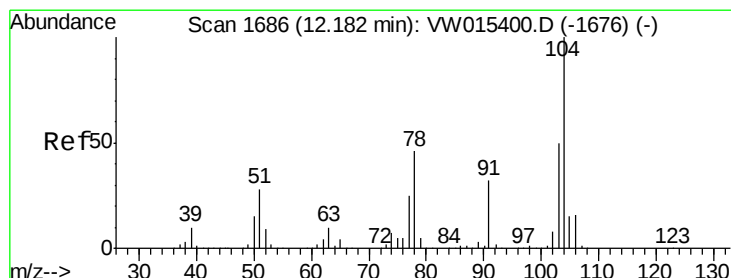
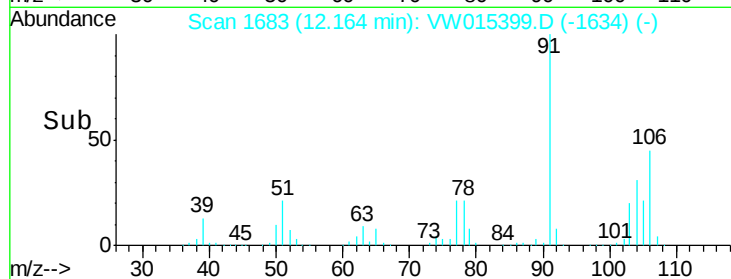
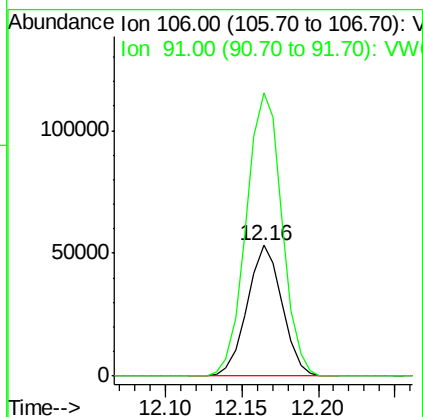
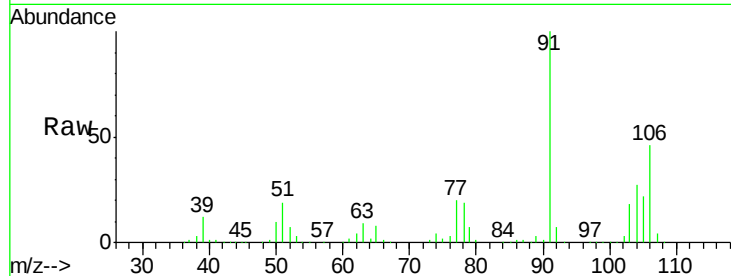
#69
o-Xylene
Concen: 18.932 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 84575
Ion Ratio Lower Upper
106 100
91 221.2 109.0 327.0

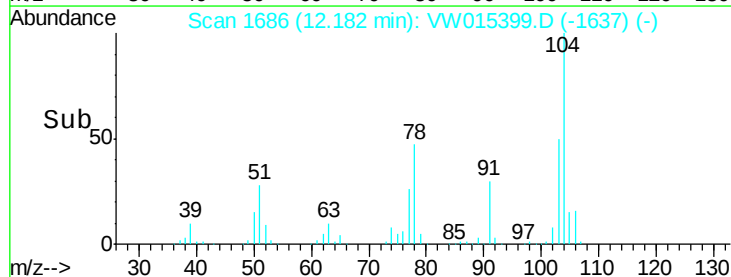
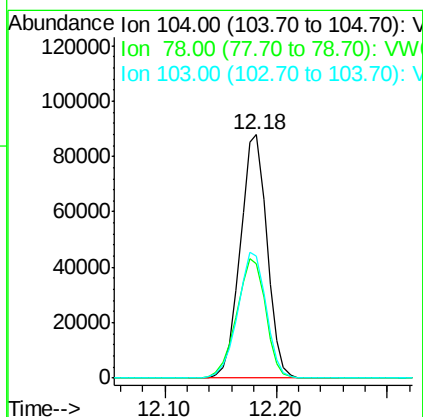
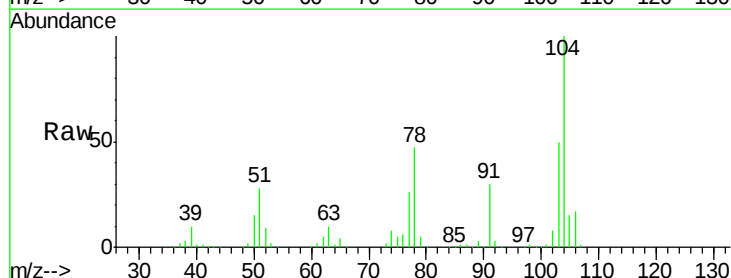
Manual Integrations
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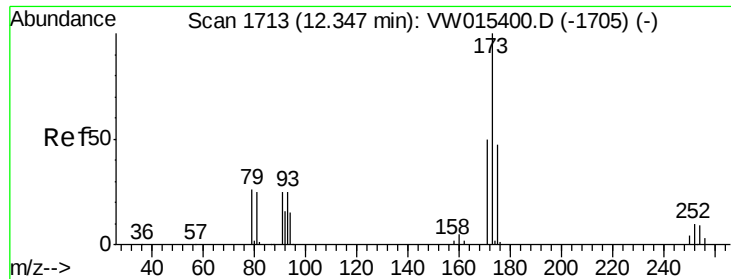
MMDadoda
5/6/2020 12:11:55 PM



#70
Styrene
Concen: 19.150 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:104 Resp: 146053
Ion Ratio Lower Upper
104 100
78 53.3 41.8 62.8
103 54.8 43.6 65.4





#71

Bromoform

Concen: 16.440 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

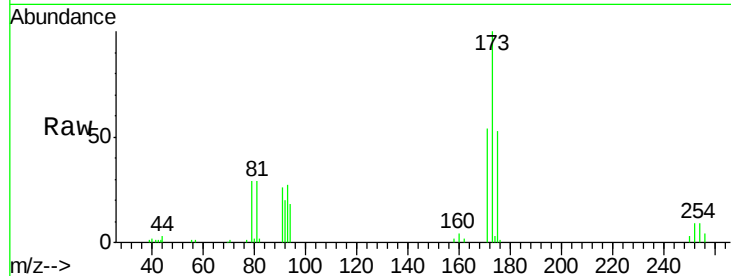
ClientSampleId :

VSTDIC020

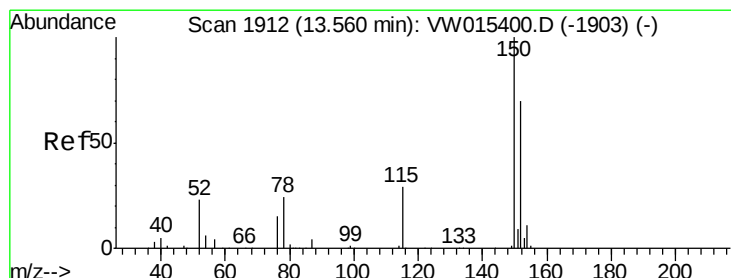
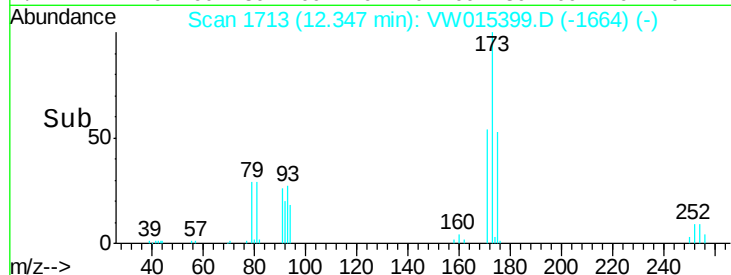
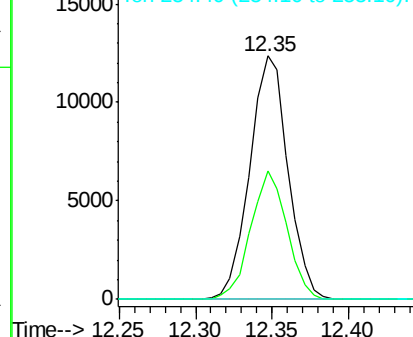
Tot Ion:	173	Resp:	21486
Ion Ratio	Lower	Upper	
173	100		
175	49.8	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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5/6/2020 12:11:55 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

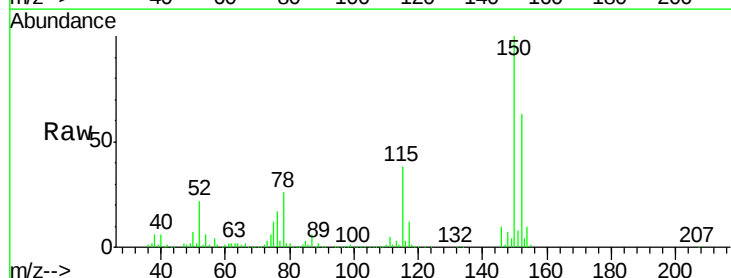
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

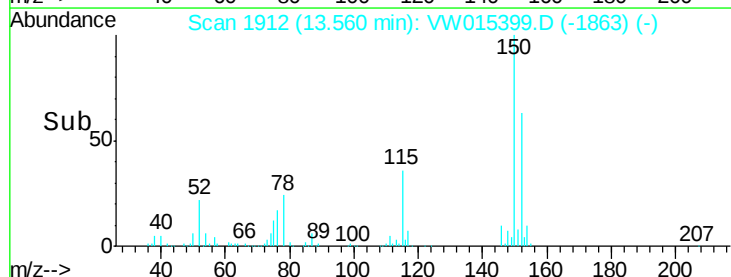
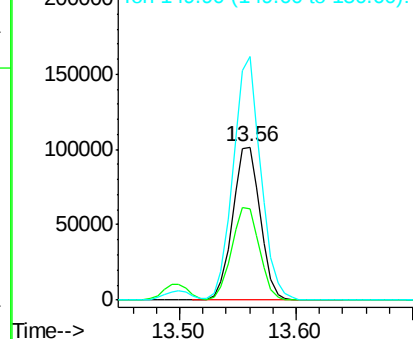
Lab File: VW015399.D

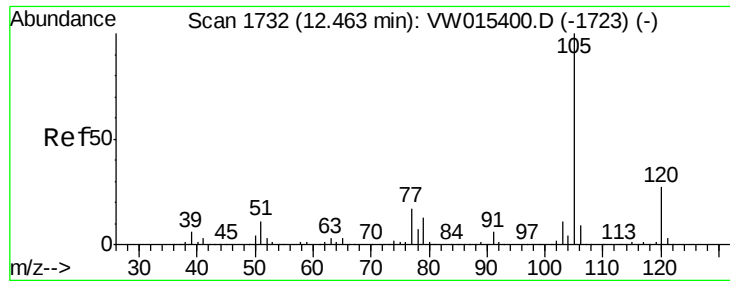
Acq: 05 May 2020 17:04

Tgt Ion:	152	Resp:	166721
Ion Ratio	Lower	Upper	
152	100		
115	60.9	30.3	90.8
150	159.0	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: 20.302 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 239714

Ion Ratio Lower Upper

105 100

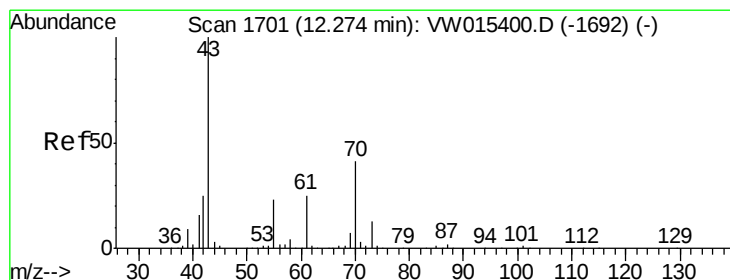
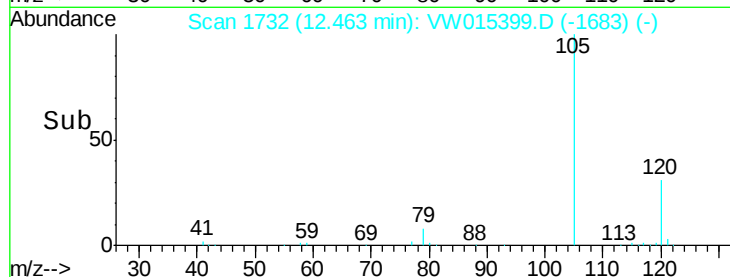
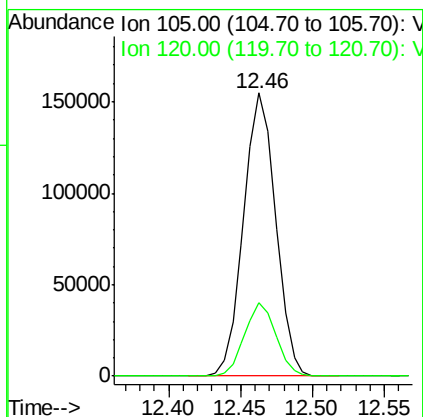
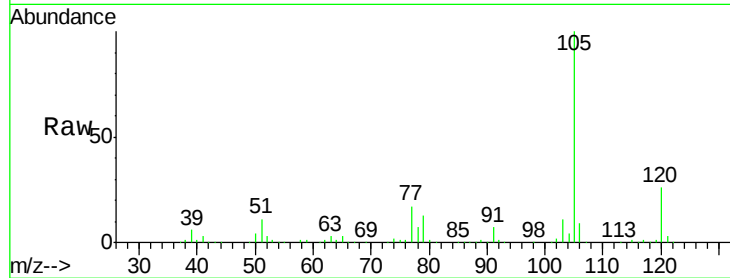
120 25.2 13.1 39.3

Manual Integrations

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5/6/2020 12:11:55 PM



#74

N-ethyl acetate

Concen: 25.993 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion: 43 Resp: 56352

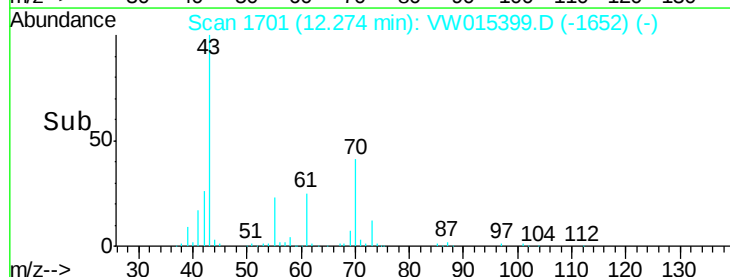
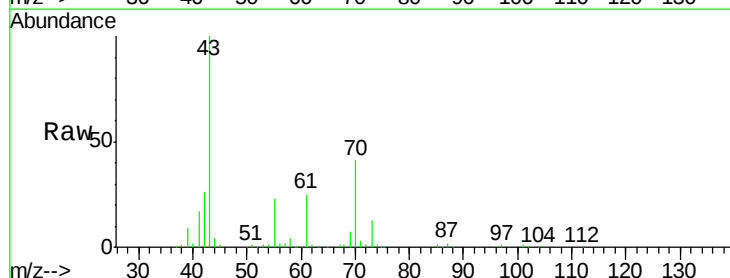
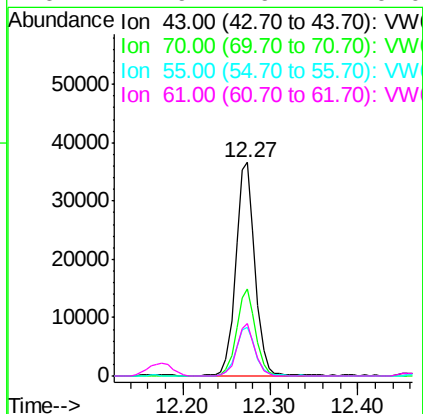
Ion Ratio Lower Upper

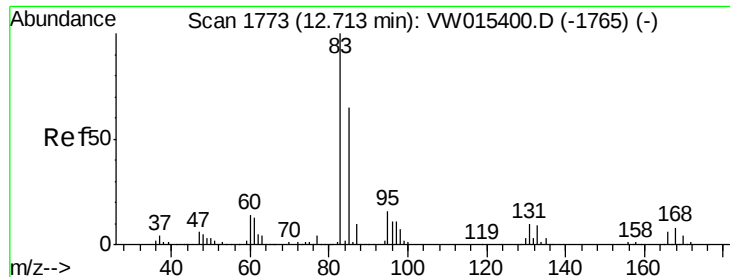
43 100

70 40.0 33.4 50.0

55 22.9 18.9 28.3

61 22.9 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.794 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

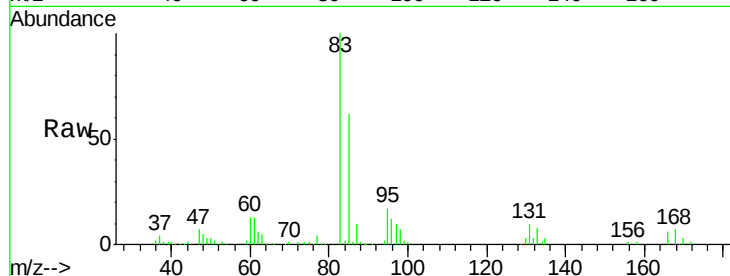
ClientSampled :

VSTDIC020

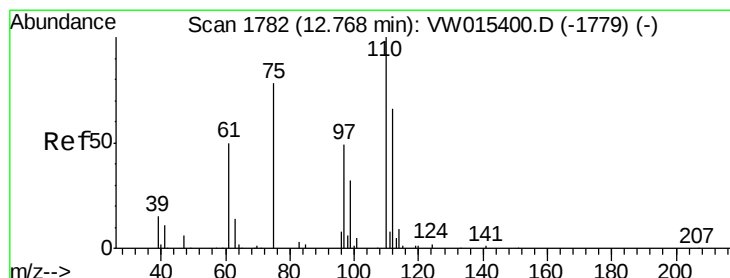
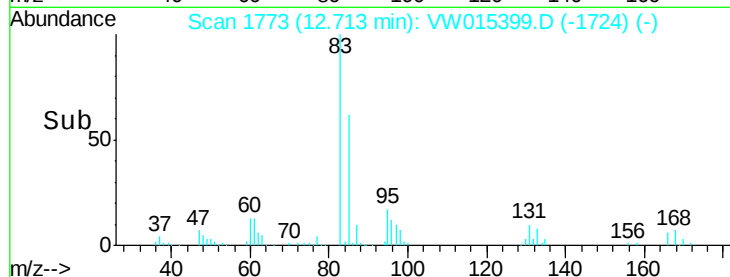
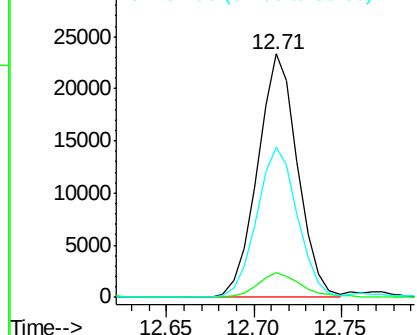
Tot Ion:	83	Resp:	37347
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.2
85	62.7	32.2	96.6

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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: 18.703 ug/l m

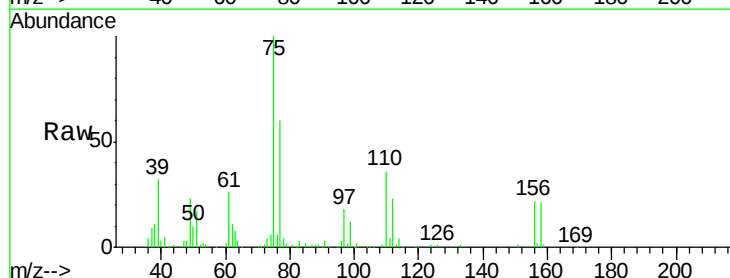
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

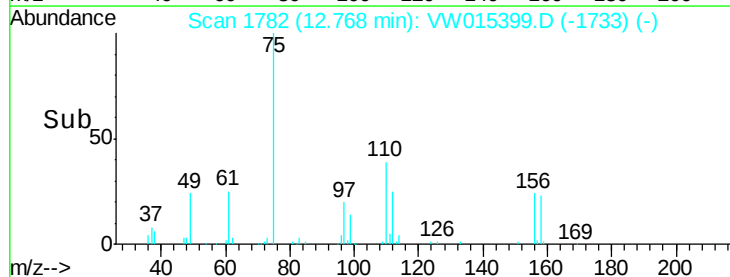
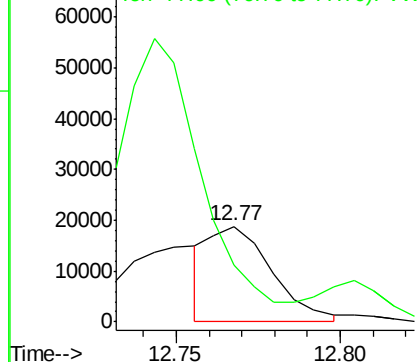
Lab File: VW015399.D

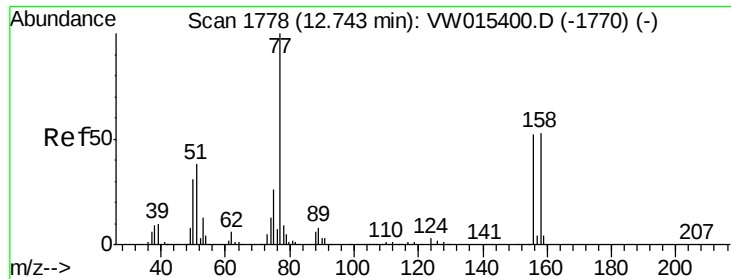
Acq: 05 May 2020 17:04

Tgt Ion:	75	Resp:	25242
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: 19.035 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

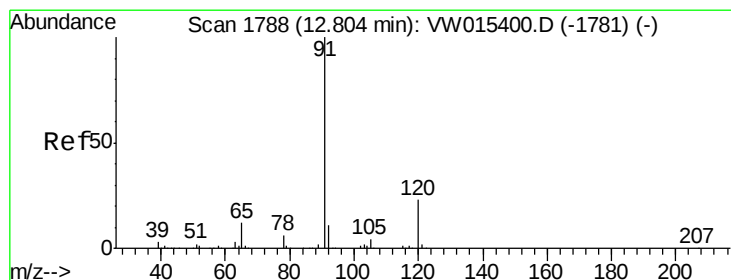
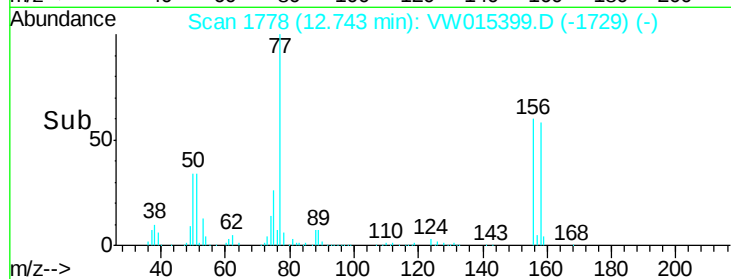
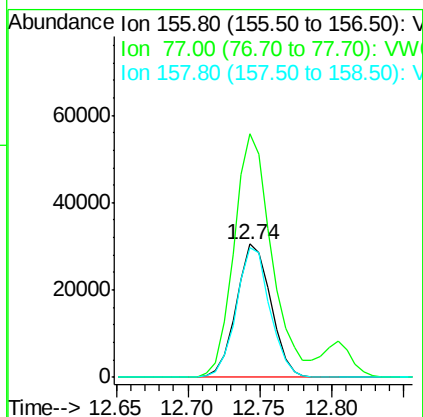
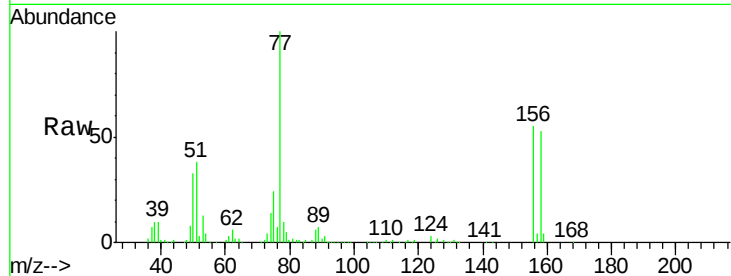
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.2	101.8	305.6
158	95.1	48.3	144.8

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#78

n-propylbenzene

Concen: 20.921 ug/l

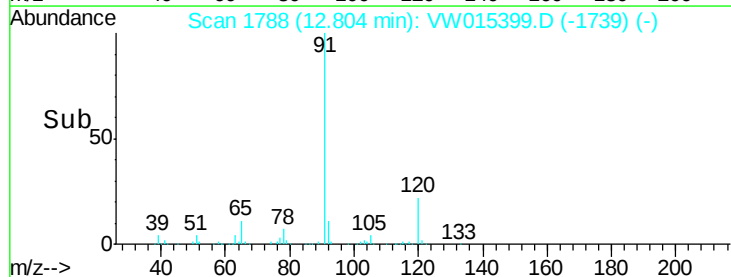
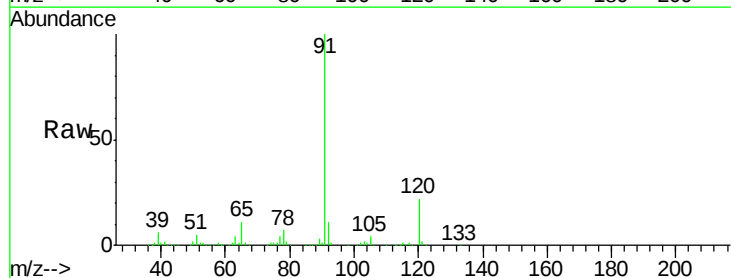
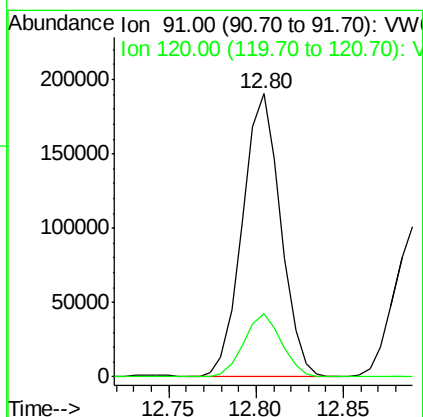
RT: 12.80 min Scan# 1788

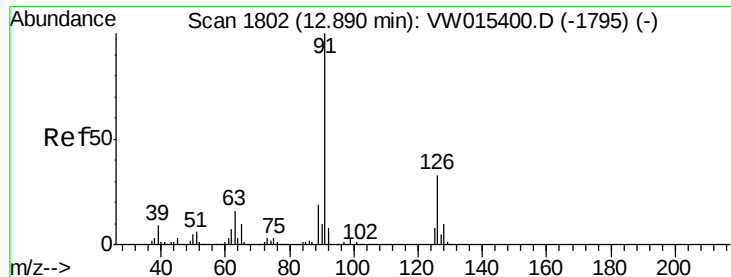
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.6





#79

2-Chlorotoluene

Concen: 20.750 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 161379

Ion Ratio Lower Upper

91 100

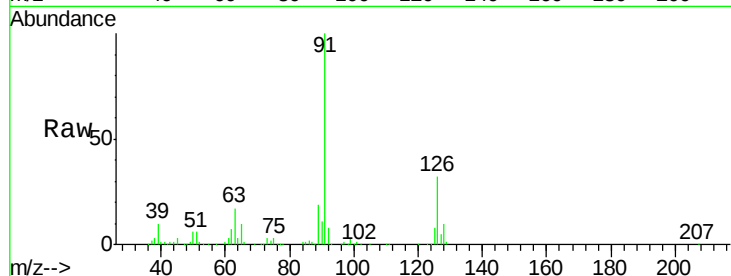
126 32.2 16.1 48.2

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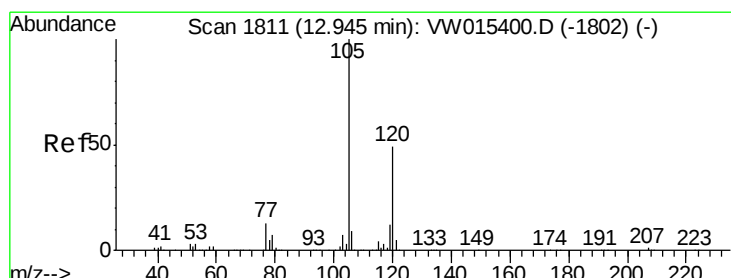
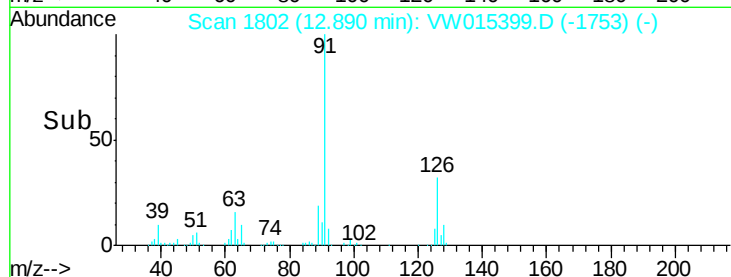
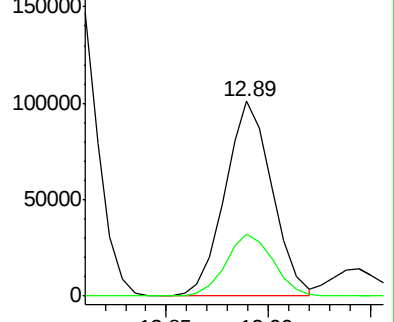
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.919 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015399.D

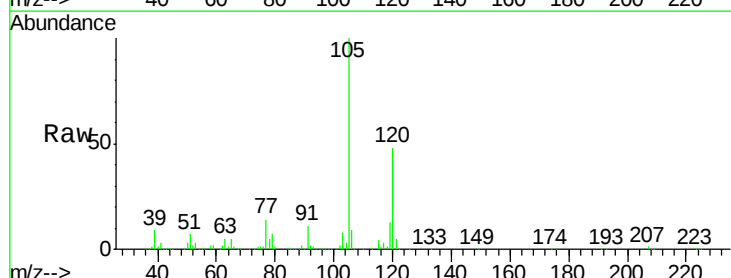
Acq: 05 May 2020 17:04

Tgt Ion:105 Resp: 201735

Ion Ratio Lower Upper

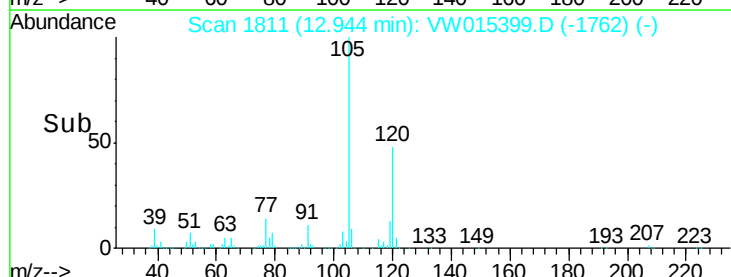
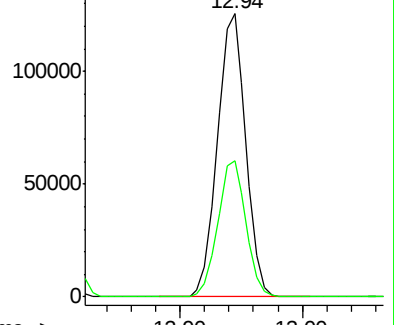
105 100

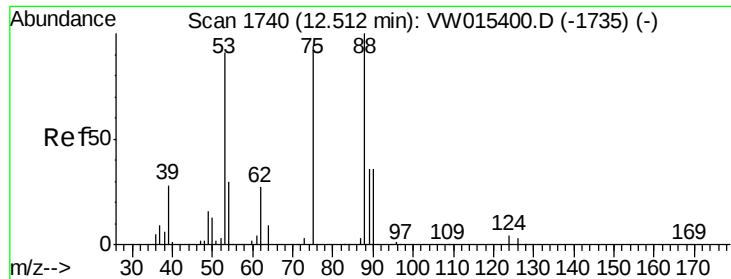
120 47.8 24.2 72.6



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: 21.025 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

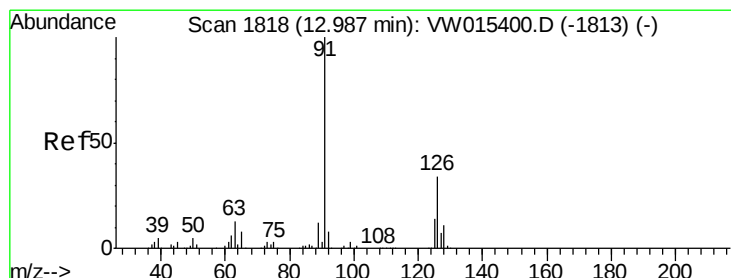
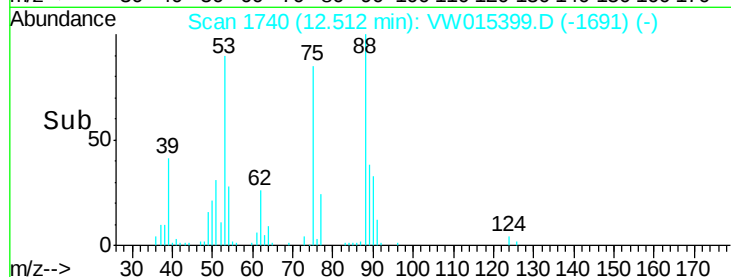
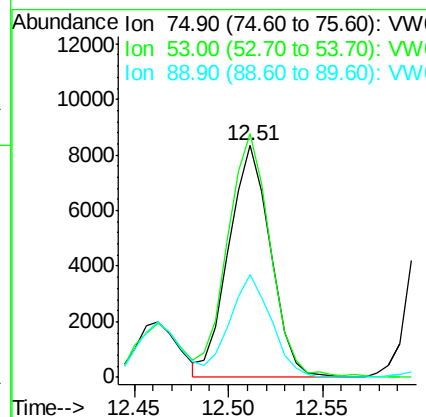
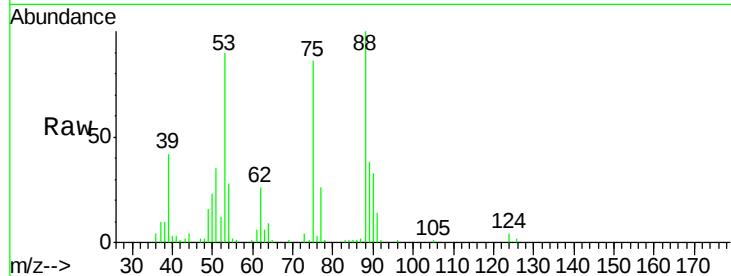
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	12846
Ion	Ratio	Lower	Upper
75	100		
53	108.1	82.5	123.7
89	43.6	35.8	53.8

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#82

4-Chlorotoluene

Concen: 20.774 ug/l

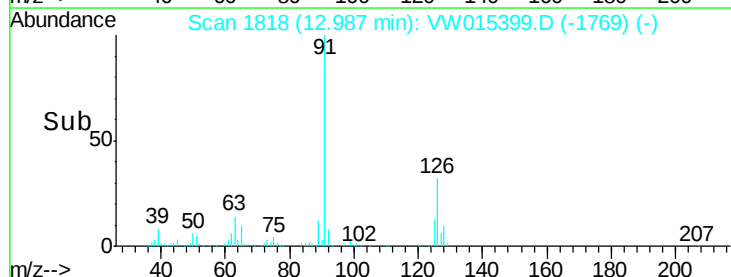
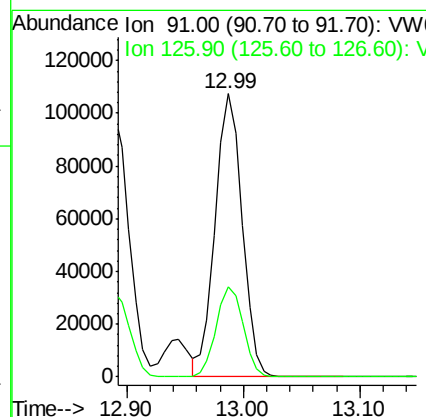
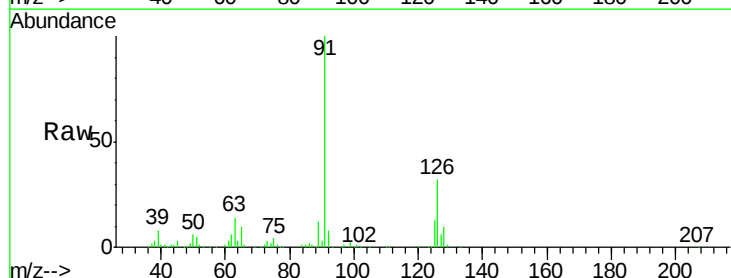
RT: 12.99 min Scan# 1818

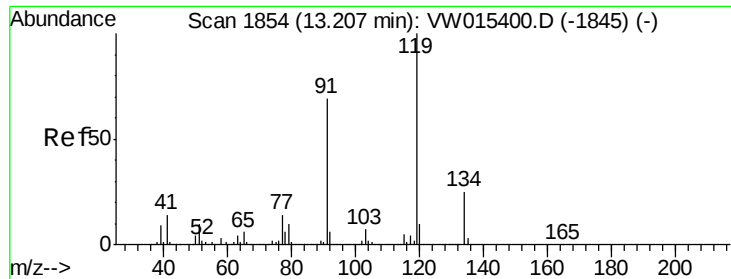
Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Tgt Ion:	91	Resp:	171348
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9





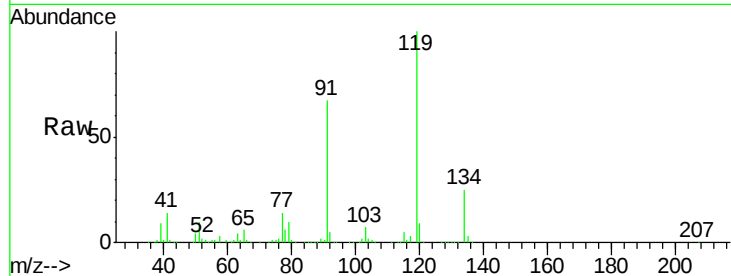
#83
 tert-Butylbenzene
 Concen: 19.631 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

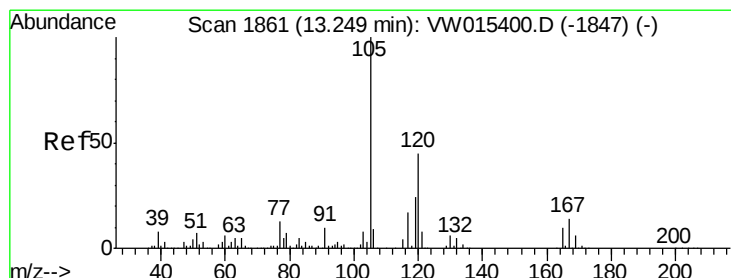
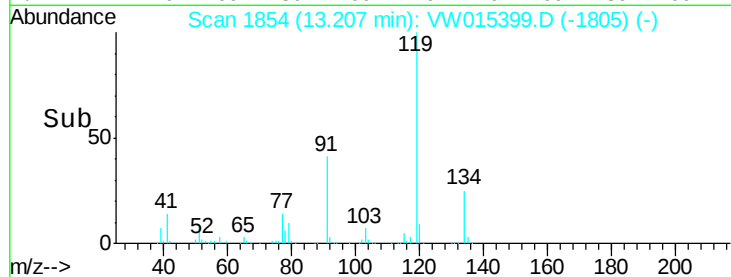
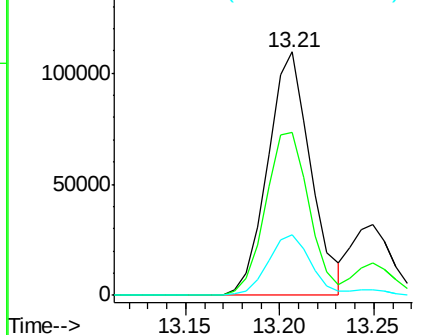
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.8	101.4
134	25.1	12.3	36.9

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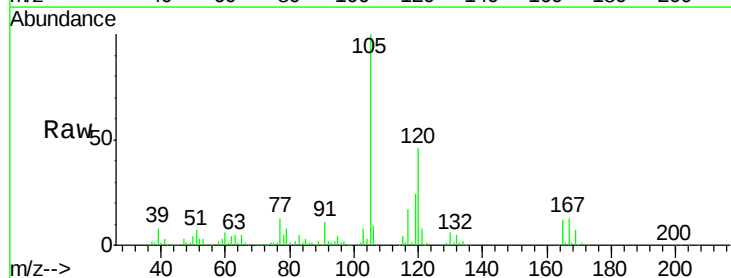


Abundance Ion 119.00 (118.70 to 119.70): V
 150000
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

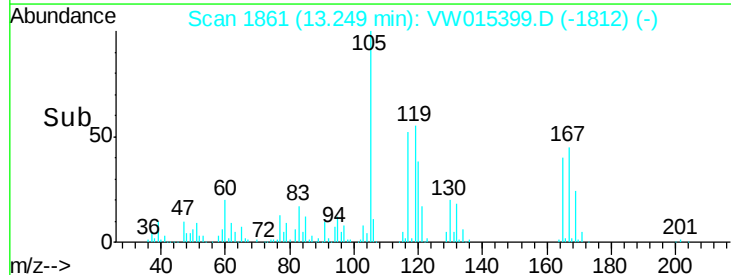
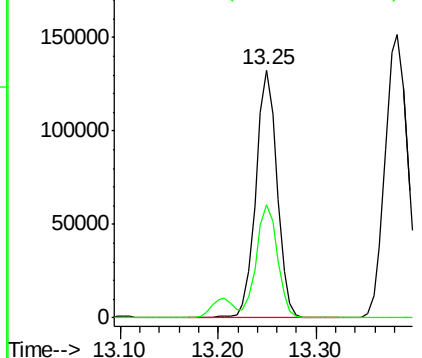


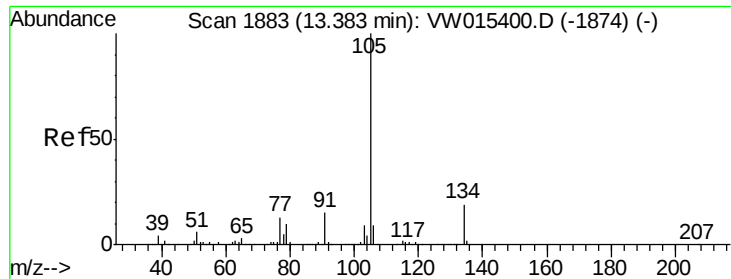
#84
 1,2,4-Trimethylbenzene
 Concen: 19.950 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.0	66.0



Abundance Ion 105.00 (104.70 to 105.70): V
 150000
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.826 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 242631

Ion Ratio Lower Upper

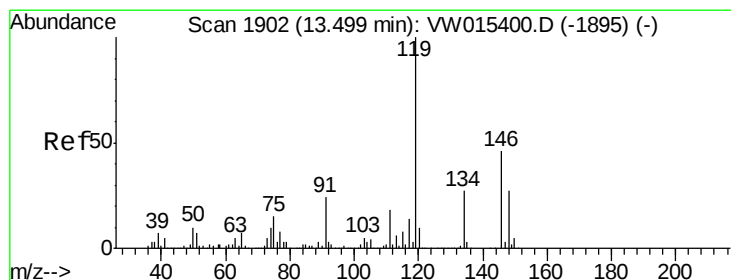
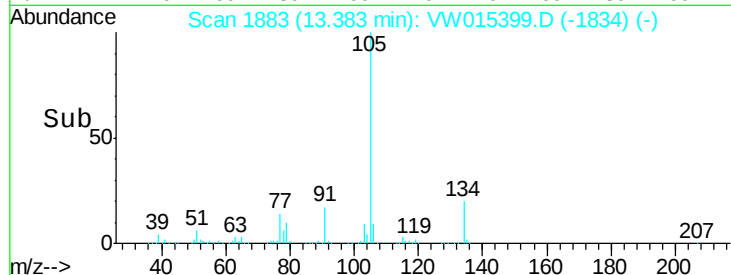
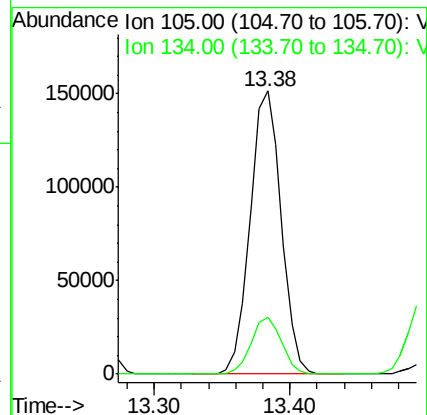
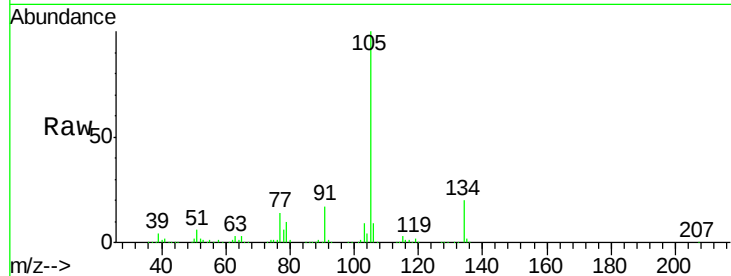
105 100

134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 19.553 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015399.D

Acq: 05 May 2020 17:04

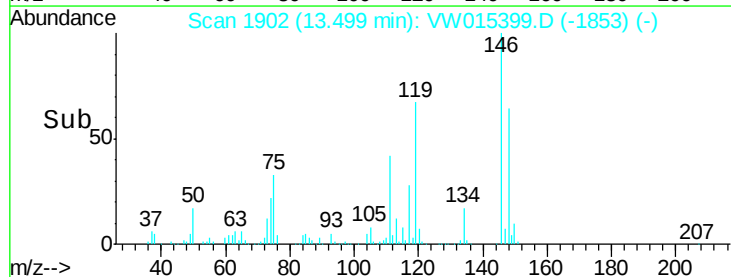
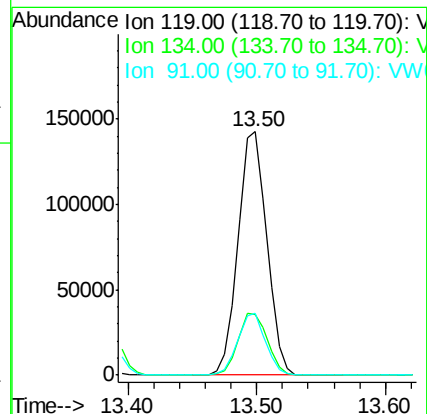
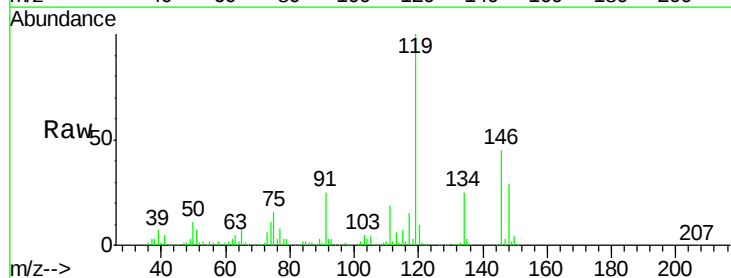
Tgt Ion:119 Resp: 221131

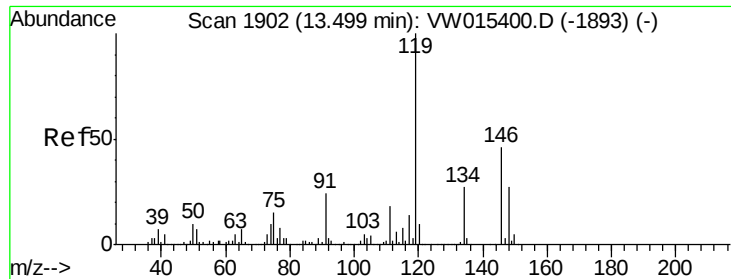
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.9 12.1 36.3





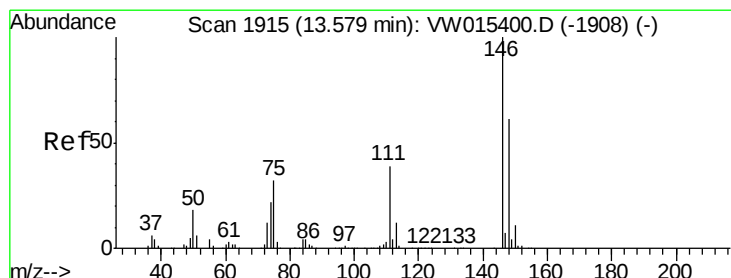
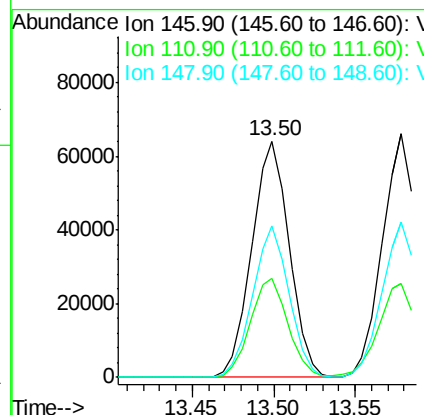
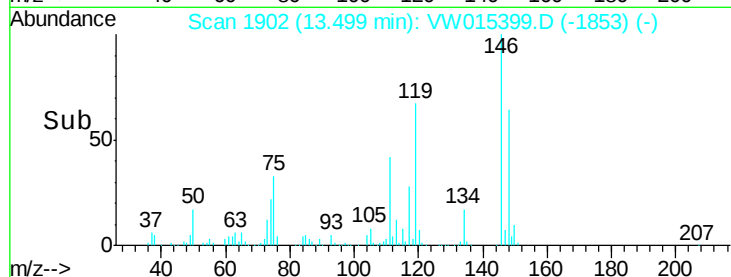
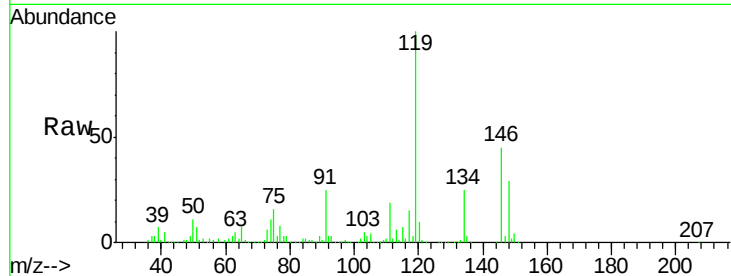
#87
 1,3-Dichlorobenzene
 Concen: 19.281 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	102574		
111	41.8	20.5	61.5	
148	62.1	31.4	94.0	

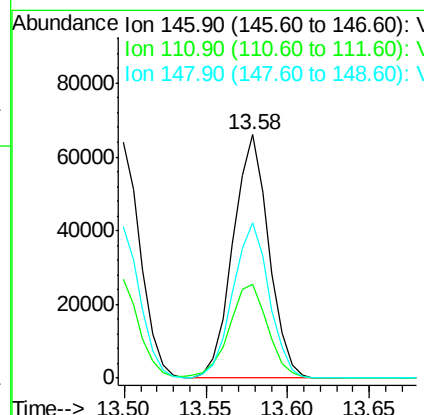
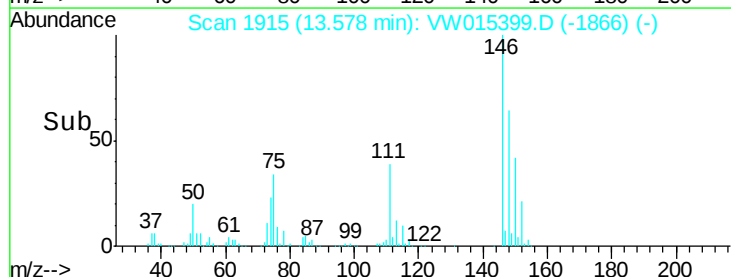
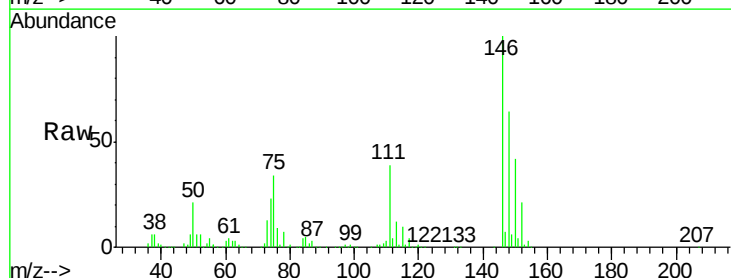
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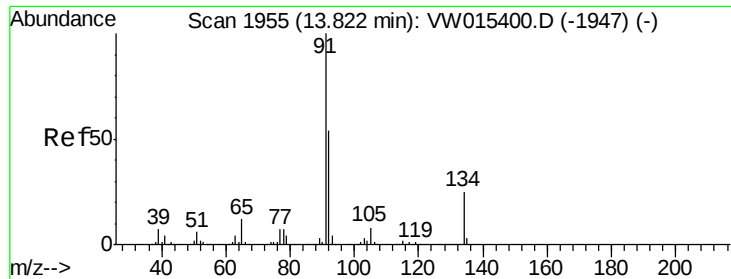
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#88
 1,4-Dichlorobenzene
 Concen: 19.322 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	100805		
111	41.8	20.0	60.0	
148	64.9	31.4	94.3	





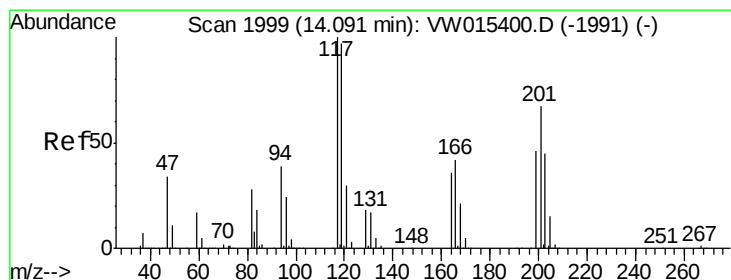
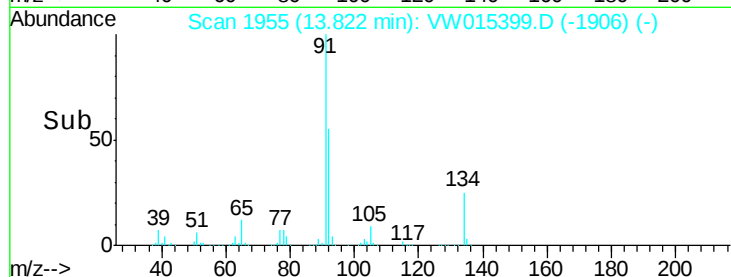
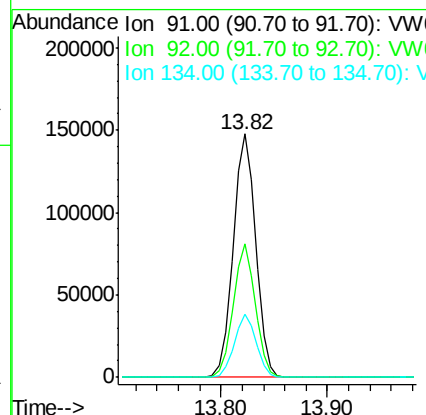
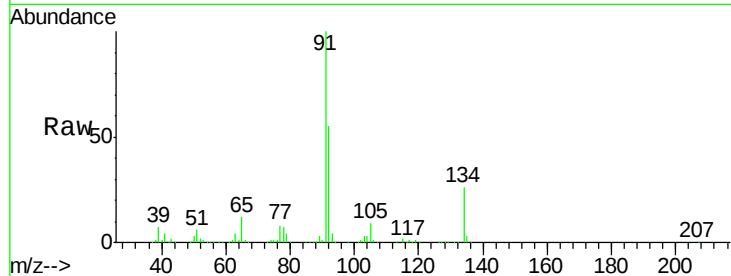
#89
n-Butylbenzene
Concen: 20.953 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.6
134	25.2	12.6	37.6

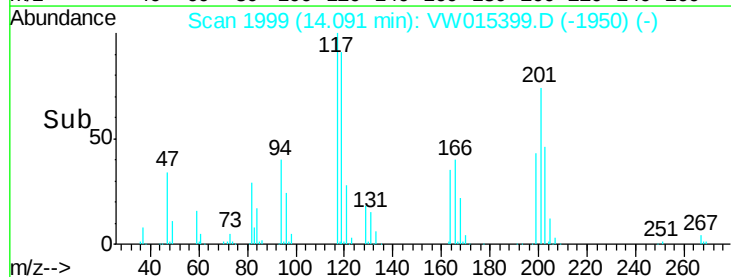
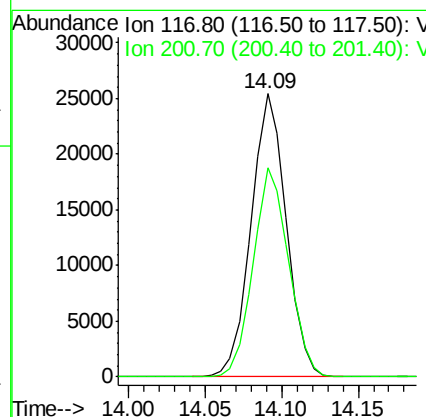
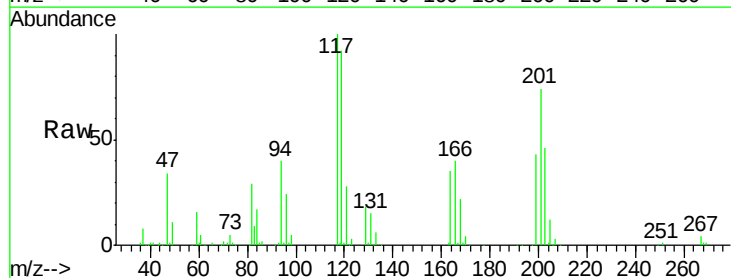
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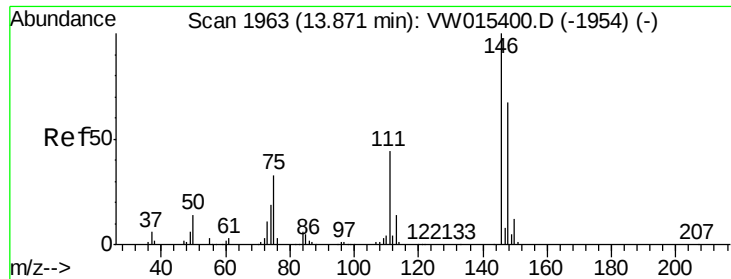
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#90
Hexachloroethane
Concen: 19.542 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	35.9	107.8





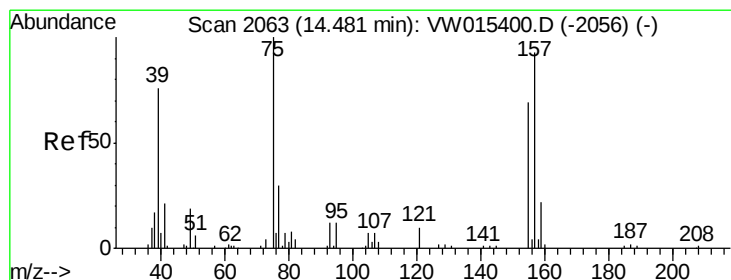
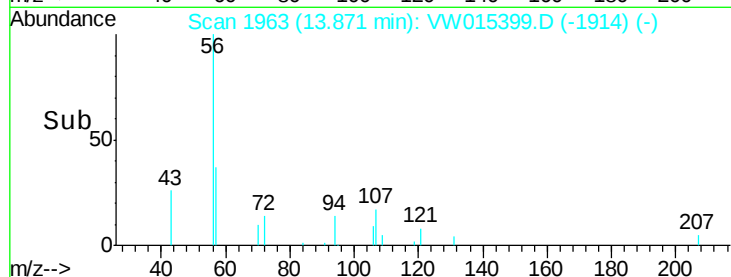
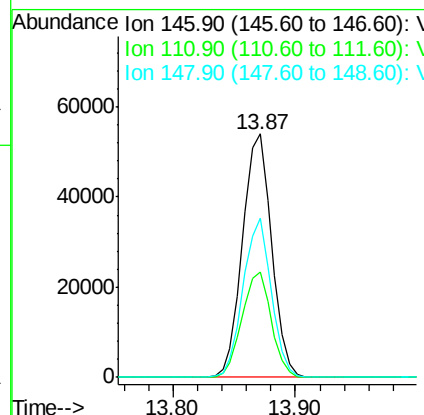
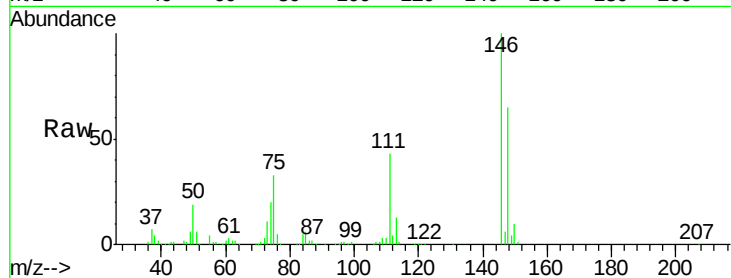
#91
 1,2-Dichlorobenzene
 Concen: 19.337 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	63.2	32.5	97.4

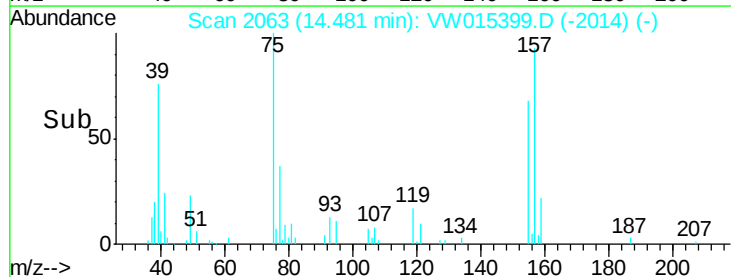
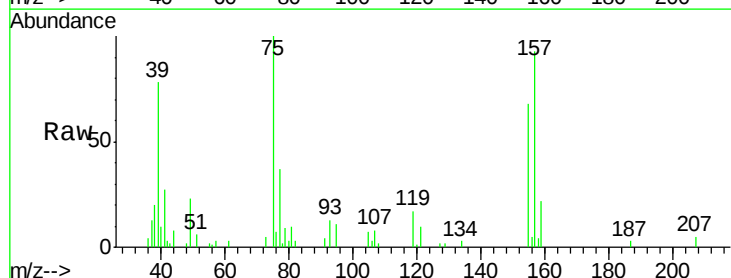
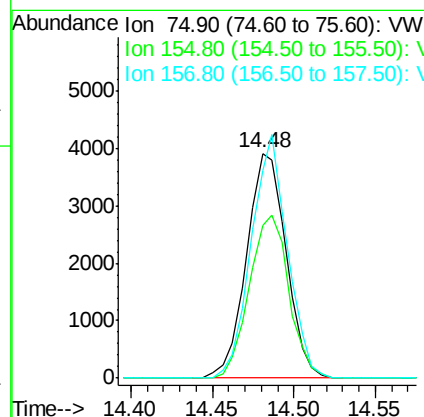
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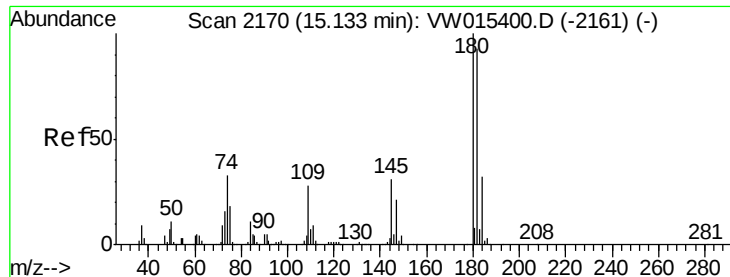
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.629 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.7	116.1
157	98.9	48.1	144.4





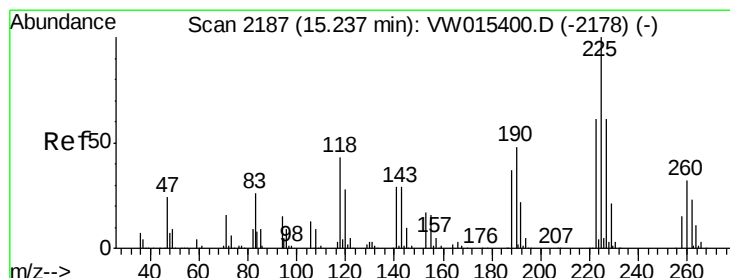
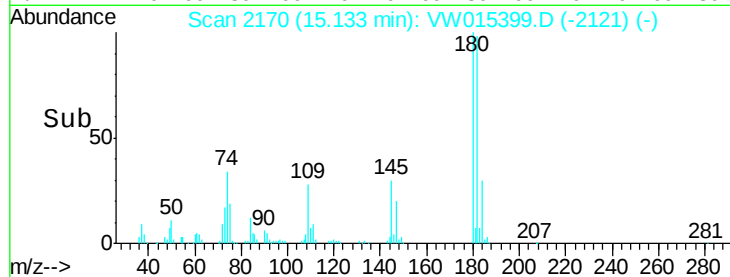
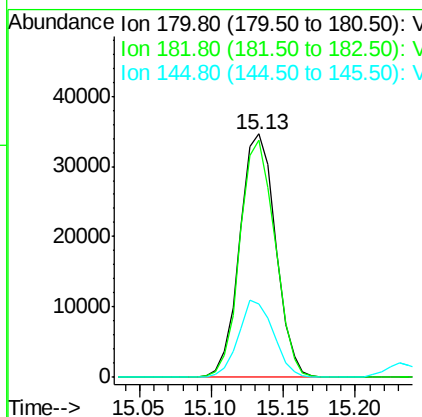
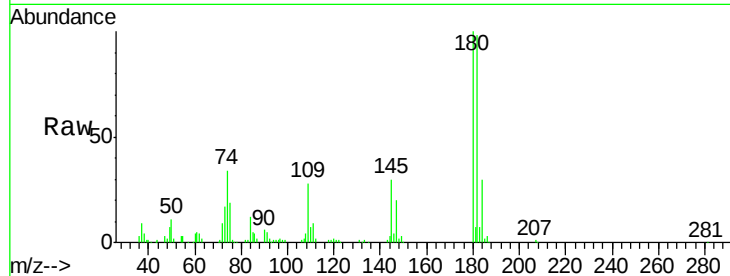
#93
 1,2,4-Trichlorobenzene
 Concen: 18.794 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59756		
182	95.2	47.2	141.6	
145	30.9	15.6	46.8	

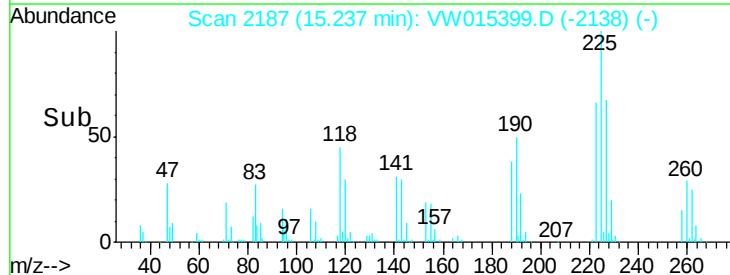
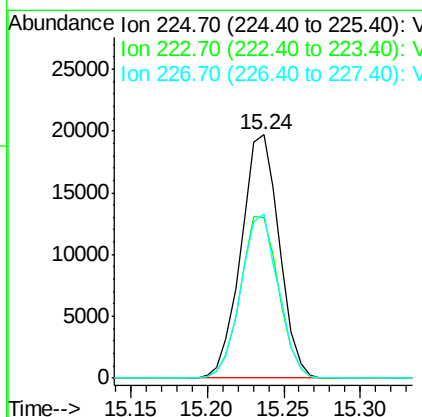
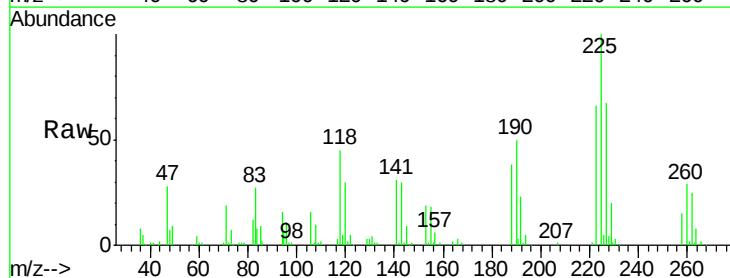
Manual Integrations
 APPROVED

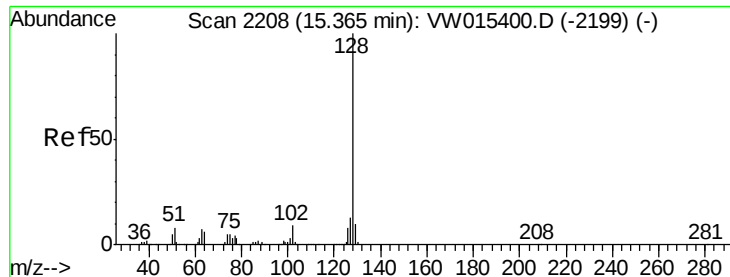
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#94
 Hexachlorobutadiene
 Concen: 16.251 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015399.D
 Acq: 05 May 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34095		
223	66.4	30.7	92.1	
227	66.0	32.0	96.0	





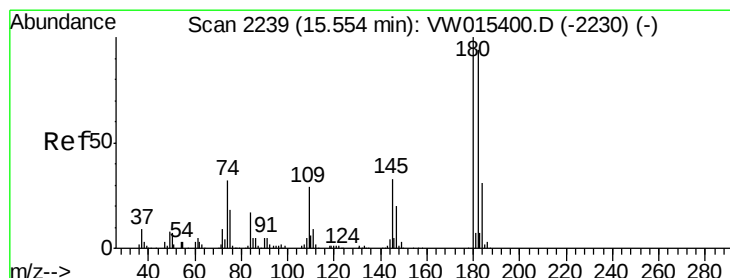
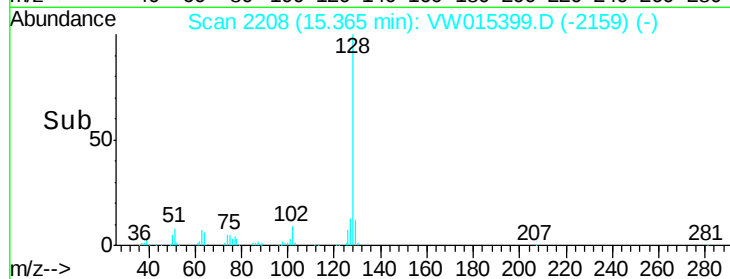
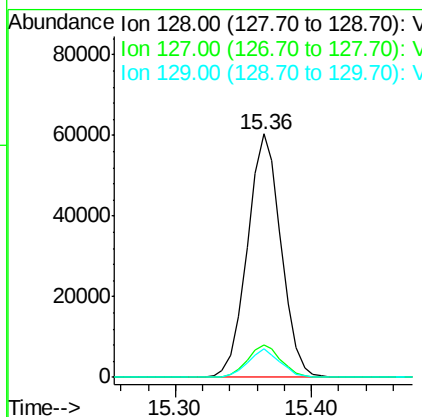
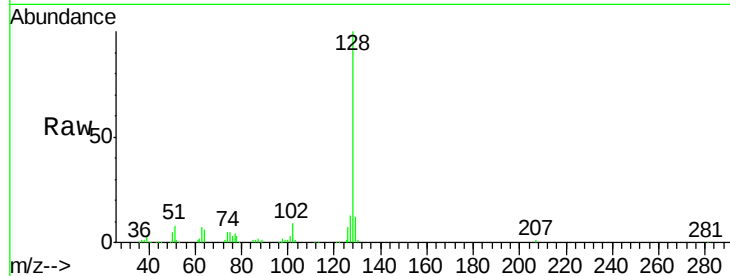
#95
Naphthalene
Concen: 20.025 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	104377
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.362 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015399.D
Acq: 05 May 2020 17:04

Tgt Ion:	180	Resp:	50413
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.8
145	33.0	16.3	48.8

