

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015398.D
 Acq On : 05 May 2020 16:40
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 5/6/2020 12:11:51 PM

Quant Time: May 05 18:35:55 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	225428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23918	12.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.50%	
35) Dibromofluoromethane	7.88	113	20223	9.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.84%	
50) Toluene-d8	10.32	98	83293	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.62	95	31041	9.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	11882	6.937	ug/l 96
3) Chloromethane	2.21	50	16348	8.695	ug/l 95
4) Vinyl Chloride	2.36	62	25463	10.924	ug/l 99
5) Bromomethane	2.78	94	20812	12.532	ug/l 97
6) Chloroethane	2.93	64	17405	11.836	ug/l 98
7) Trichlorofluoromethane	3.26	101	17829	5.856	ug/l 97
8) Diethyl Ether	3.68	74	11548	12.199	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21450	10.525	ug/l 98
10) Methyl Iodide	4.27	142	31790	14.117	ug/l 99
11) Tert butyl alcohol	5.21	59	7787	51.028	ug/l 96
12) 1,1-Dichloroethene	4.03	96	22175	11.161	ug/l 99
13) Acrolein	3.89	56	9275	94.953	ug/l 94
14) Allyl chloride	4.67	41	38373	13.832	ug/l 99
15) Acrylonitrile	5.37	53	23488	63.624	ug/l 99
16) Acetone	4.13	43	19574	58.705	ug/l 96
17) Carbon Disulfide	4.37	76	67060	11.347	ug/l 99
18) Methyl Acetate	4.68	43	10466	11.774	ug/l 97
19) Methyl tert-butyl Ether	5.43	73	37005	8.610	ug/l 99
20) Methylene Chloride	4.91	84	26174	12.102	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	24808	11.034	ug/l 92
22) Diisopropyl ether	6.31	45	75806	14.163	ug/l 97
23) Vinyl Acetate	6.26	43	229458	72.394	ug/l 100
24) 1,1-Dichloroethane	6.21	63	45076	12.524	ug/l 98
25) 2-Butanone	7.18	43	30253	65.869	ug/l 98
26) 2,2-Dichloropropane	7.17	77	31435	8.956	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	27119	11.151	ug/l 98
28) Bromochloromethane	7.51	49	18986	14.308	ug/l 98
29) Tetrahydrofuran	7.53	42	20175	69.463	ug/l 98
30) Chloroform	7.67	83	44529	11.657	ug/l 96
31) Cyclohexane	7.95	56	47940	13.219	ug/l # 90
32) 1,1,1-Trichloroethane	7.87	97	38131	10.539	ug/l 99
36) 1,1-Dichloropropene	8.08	75	37560	11.117	ug/l 99
37) Ethyl Acetate	7.26	43	14183	12.430	ug/l 99
38) Carbon Tetrachloride	8.07	117	34760	9.627	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46813	10.499	ug/l	96
40) Benzene	8.32	78	102151	11.328	ug/l	99
41) Methacrylonitrile	7.49	41	8806	12.808	ug/l	98
42) 1,2-Dichloroethane	8.40	62	31113	11.602	ug/l	99
43) Isopropyl Acetate	8.43	43	30767	12.975	ug/l	98
44) Trichloroethene	9.09	130	26189	9.730	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25009	11.776	ug/l	99
46) Dibromomethane	9.46	93	12449	10.375	ug/l	99
47) Bromodichloromethane	9.65	83	33804	10.499	ug/l	98
48) Methyl methacrylate	9.44	41	14069	12.611	ug/l	99
49) 1,4-Dioxane	9.46	88	3070	193.843	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	71341	63.842	ug/l	100
52) Toluene	10.38	92	65355	10.469	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33919	10.644	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40351	10.863	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17601	10.472	ug/l	97
56) Ethyl methacrylate	10.65	69	23612	10.775	ug/l	94
57) 1,3-Dichloropropane	10.93	76	32203	11.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	58823	57.681	ug/l	100
59) 2-Hexanone	10.97	43	48418	61.345	ug/l	100
60) Dibromochloromethane	11.13	129	20716	9.472	ug/l	98
61) 1,2-Dibromoethane	11.23	107	16059	9.831	ug/l	97
64) Tetrachloroethene	10.86	164	21105	8.860	ug/l	95
65) Chlorobenzene	11.66	112	69952	10.466	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	24271	10.120	ug/l	99
67) Ethyl Benzene	11.73	91	131307	10.493	ug/l	100
68) m/p-Xylenes	11.84	106	96439	19.867	ug/l	98
69) o-Xylene	12.16	106	45491	10.004	ug/l	99
70) Styrene	12.18	104	76595	9.867	ug/l	99
71) Bromoform	12.35	173	11501	8.646	ug/l #	99
73) Isopropylbenzene	12.46	105	127081	10.798	ug/l	99
74) N-amyl acetate	12.27	43	30267	14.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	20279	11.873	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13999m	10.407	ug/l	
77) Bromobenzene	12.74	156	27200	10.254	ug/l	100
78) n-propylbenzene	12.80	91	152476	11.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	85655	11.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	106872	10.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6905	11.338	ug/l	98
82) 4-Chlorotoluene	12.99	91	91257	11.100	ug/l	99
83) tert-Butylbenzene	13.21	119	90694	10.305	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	106129	10.629	ug/l	97
85) sec-Butylbenzene	13.38	105	128652	10.547	ug/l	100
86) p-Isopropyltoluene	13.50	119	116153	10.304	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	52833	9.963	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	53553	10.298	ug/l	97
89) n-Butylbenzene	13.82	91	114207	10.924	ug/l	99
90) Hexachloroethane	14.09	117	21344	10.304	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	46917	10.238	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3545	11.625	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	29444	9.291	ug/l	95
94) Hexachlorobutadiene	15.24	225	18781	8.981	ug/l	99
95) Naphthalene	15.36	128	54312	10.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	26044	10.035	ug/l	99

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

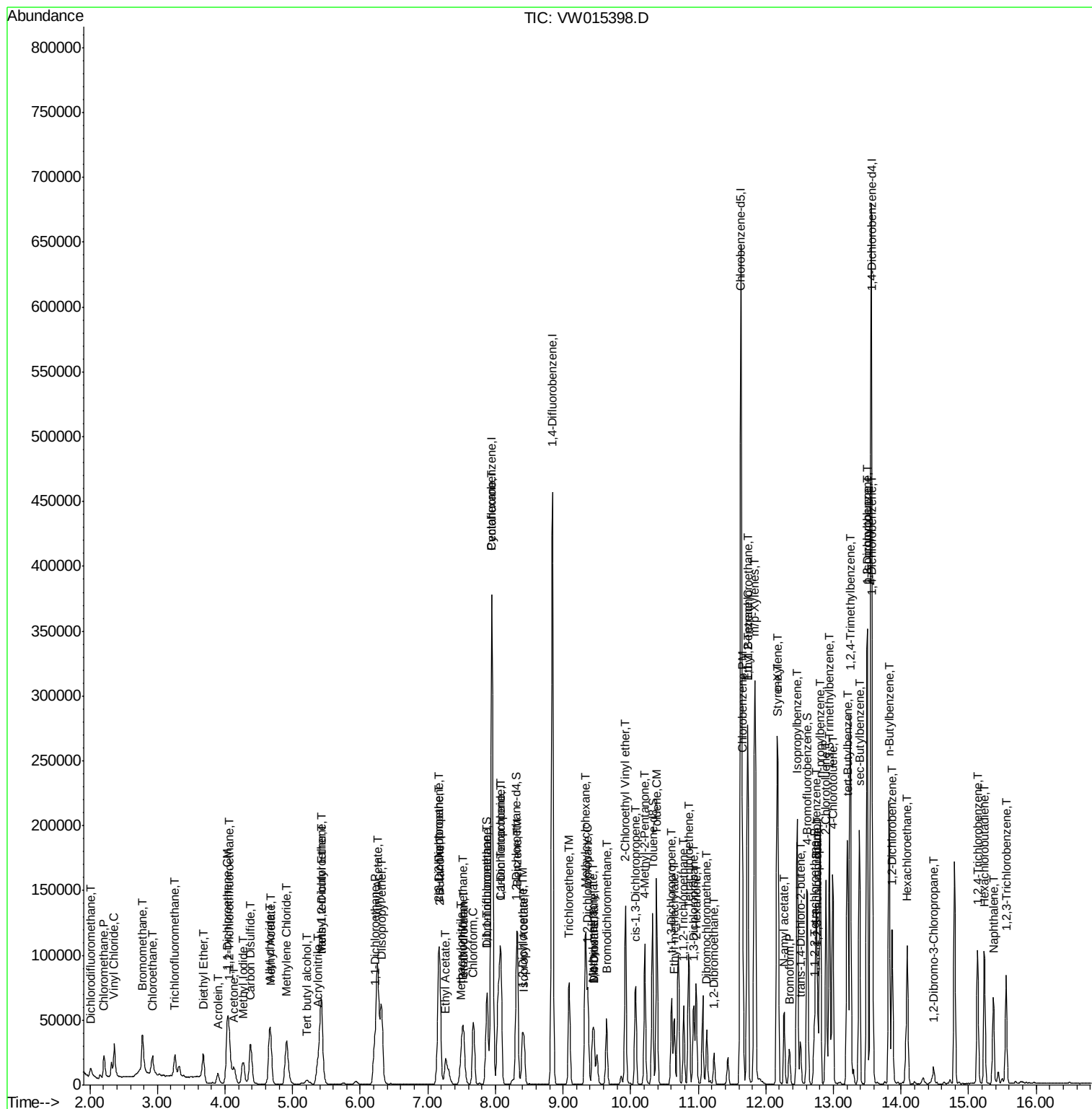
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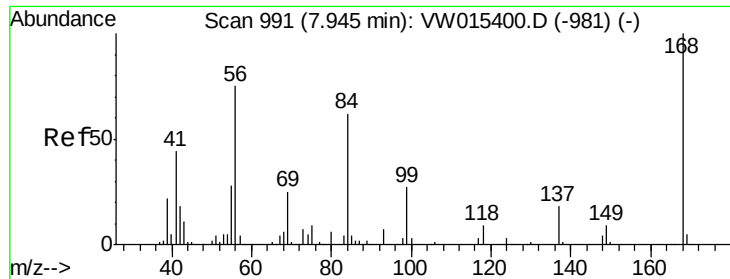
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 225428

Ion Ratio Lower Upper

168 100

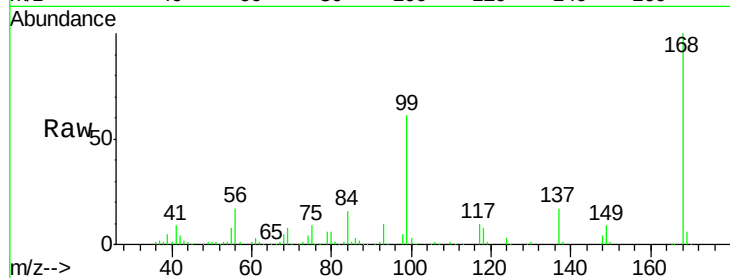
99 60.6 50.3 75.5

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

7.95

100000

80000

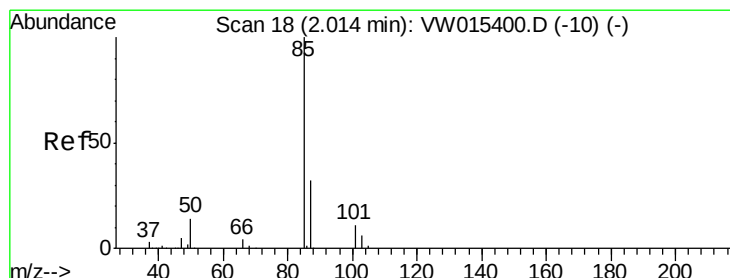
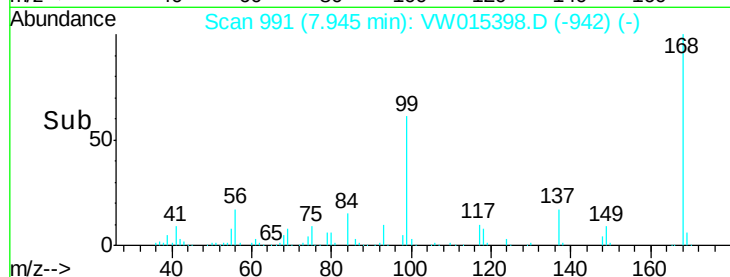
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.937 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015398.D

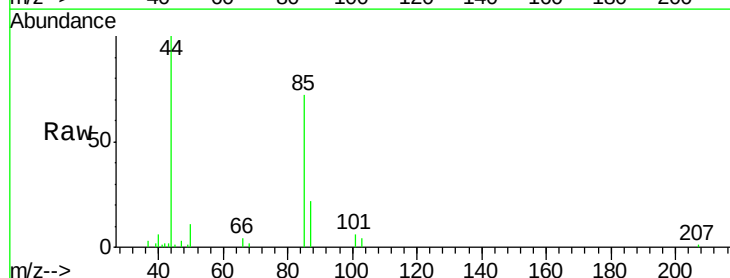
Acq: 05 May 2020 16:40

Tgt Ion: 85 Resp: 11882

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

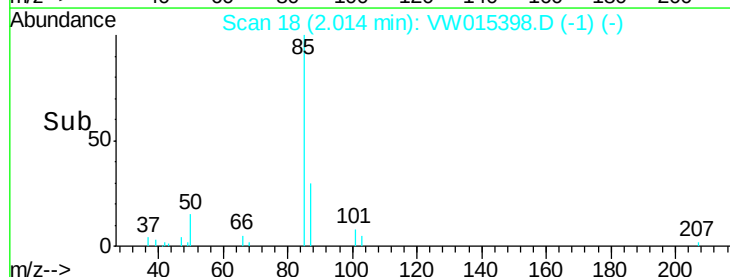
3000

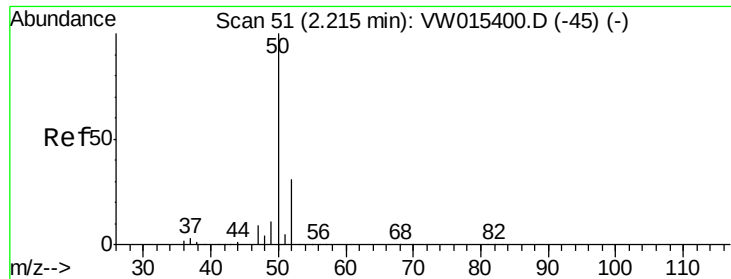
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 8.695 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 16348

Ion Ratio Lower Upper

50 100

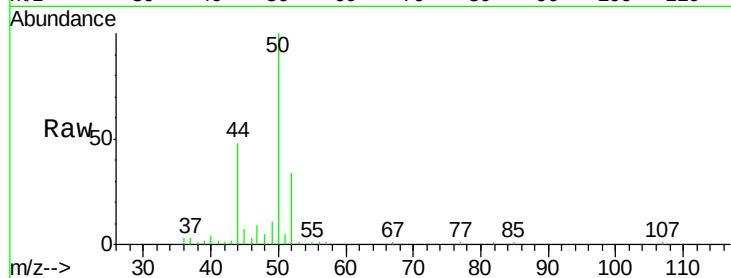
52 34.0 25.0 37.6

Manual Integrations

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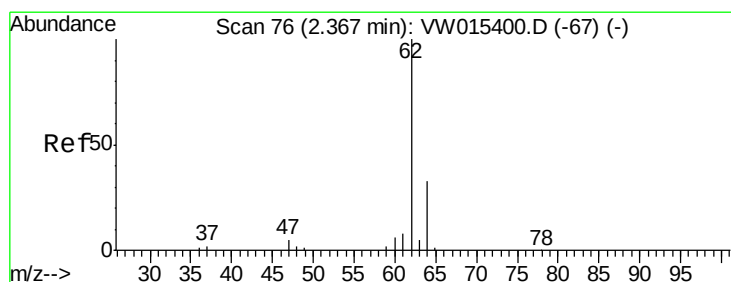
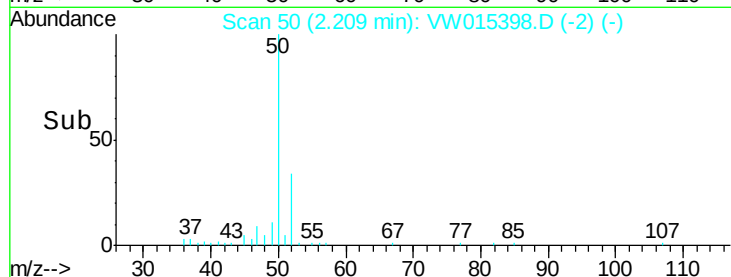
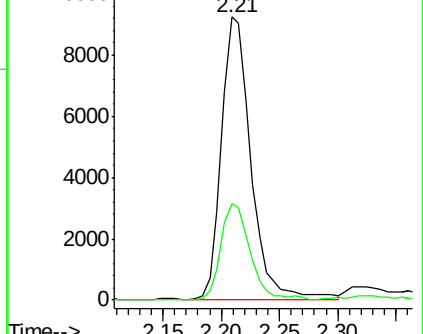
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.924 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015398.D

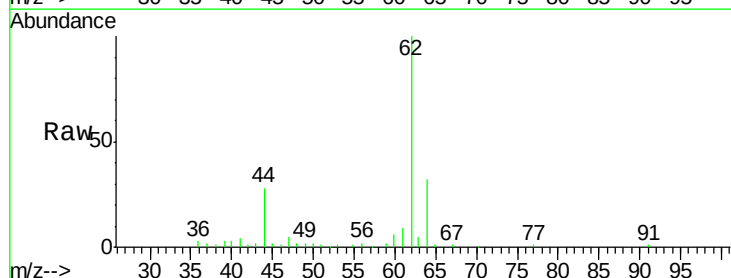
Acq: 05 May 2020 16:40

Tgt Ion: 62 Resp: 25463

Ion Ratio Lower Upper

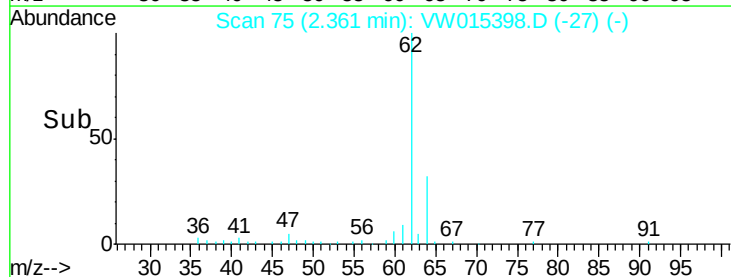
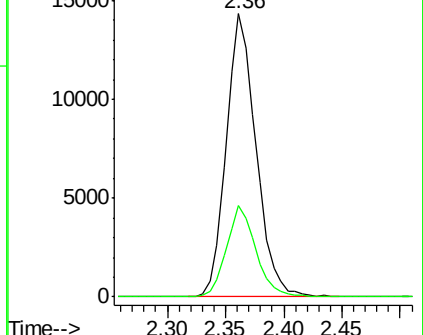
62 100

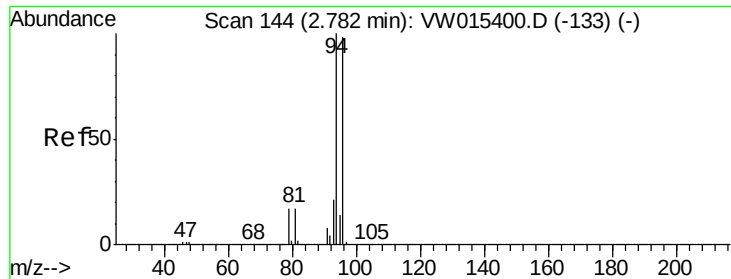
64 32.2 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 12.532 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

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MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 20812

Ion Ratio Lower Upper

94 100

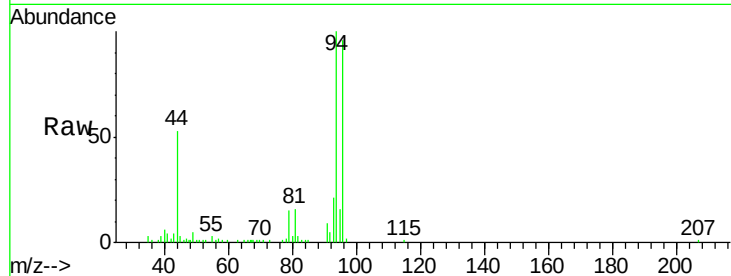
96 95.5 78.8 118.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

10000

8000

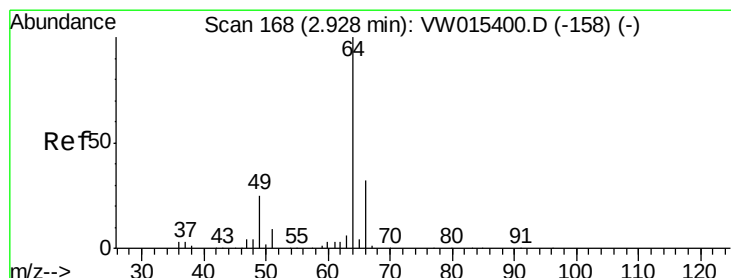
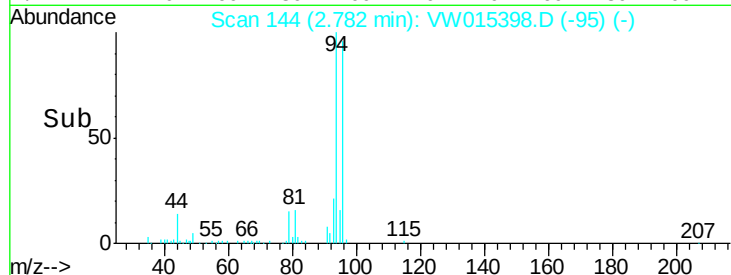
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 11.836 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015398.D

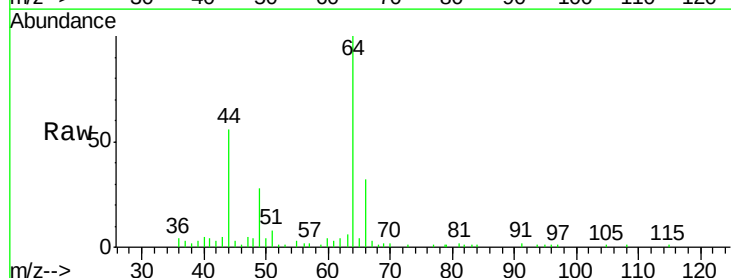
Acq: 05 May 2020 16:40

Tgt Ion: 64 Resp: 17405

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

8000

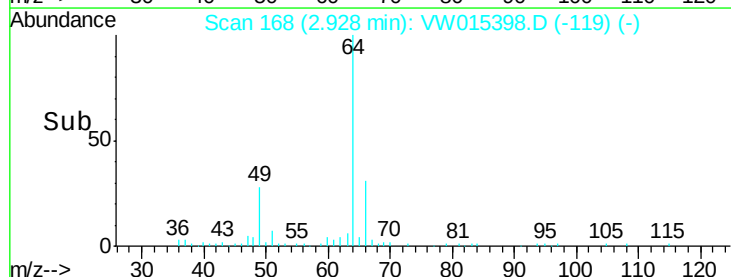
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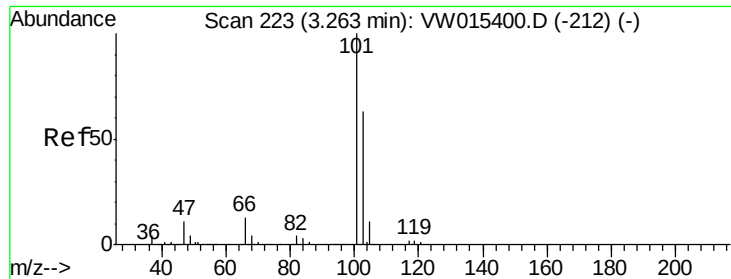
4000

2000

0

Time-->





#7

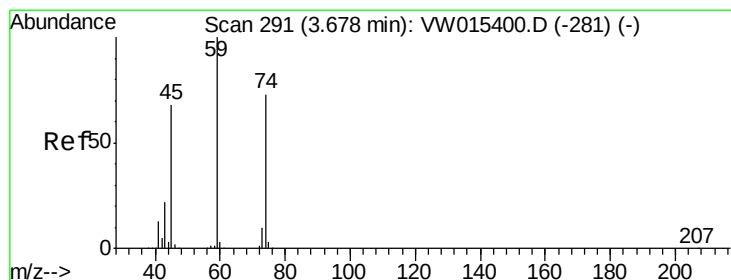
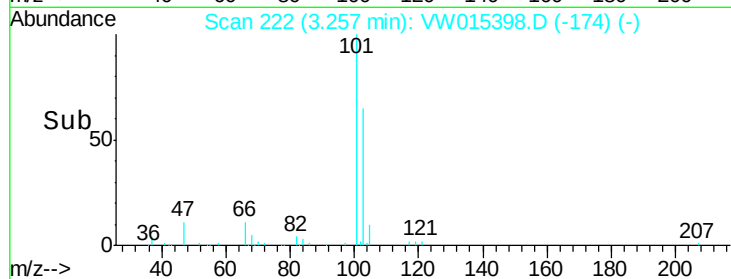
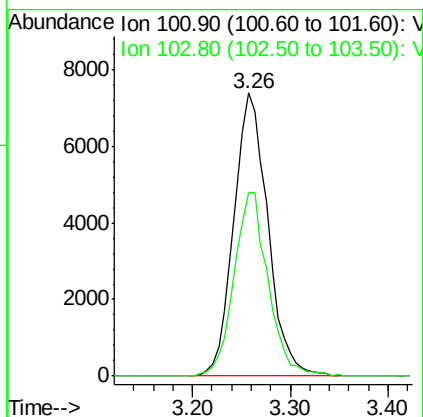
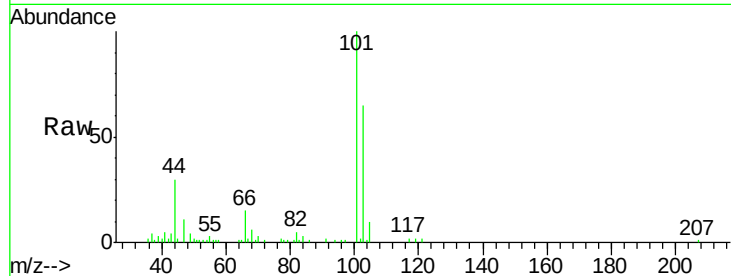
Trichlorofluoromethane
 Concen: 5.856 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
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 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.2	75.4

Manual Integrations
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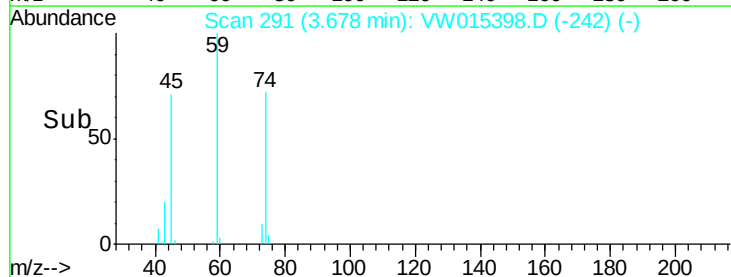
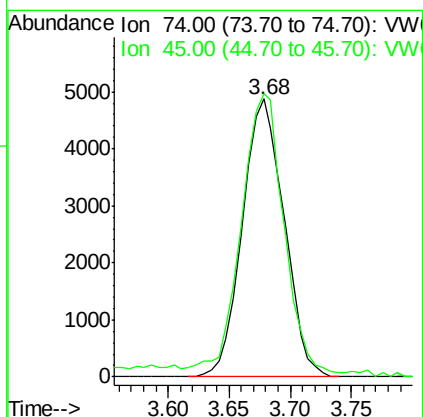
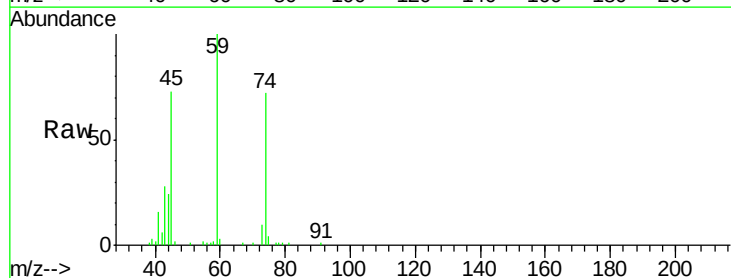
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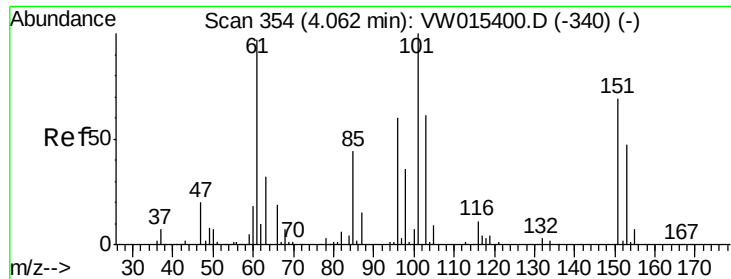


#8

Diethyl Ether
 Concen: 12.199 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.525 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015398.D

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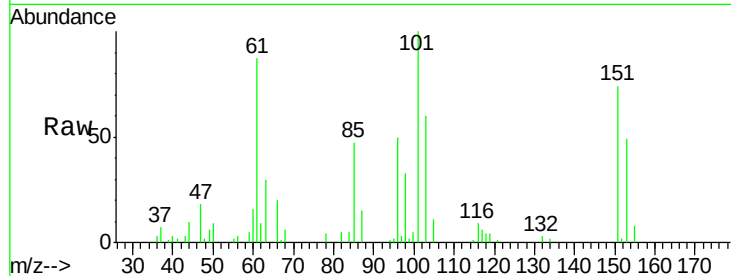
ClientSampleId :

VSTDIC010

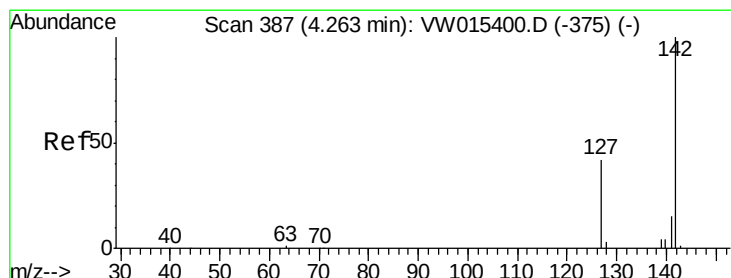
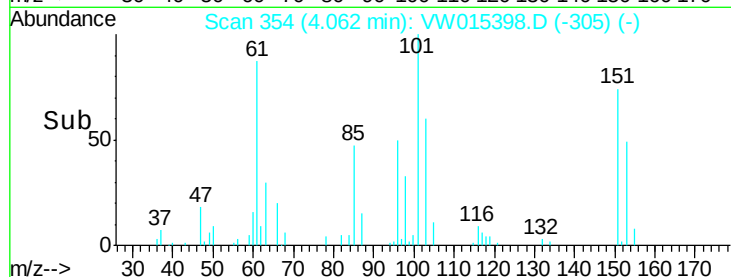
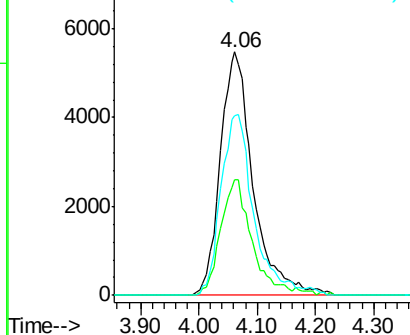
Tot Ion:	101	Resp:	21450
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.3	55.9
151	74.9	58.9	88.3

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



#10

Methyl Iodide

Concen: 14.117 ug/l

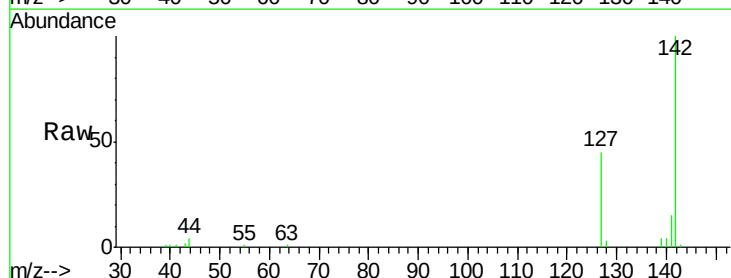
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

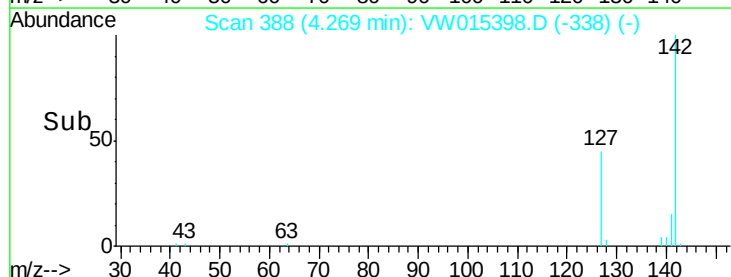
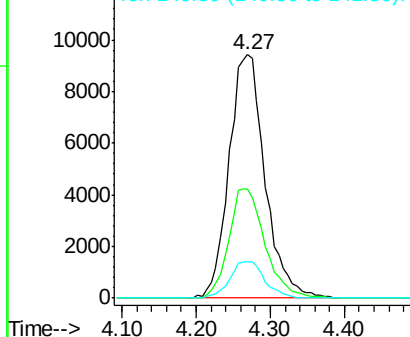
Lab File: VW015398.D

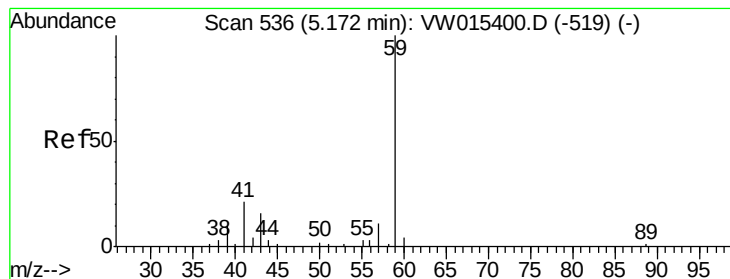
Acq: 05 May 2020 16:40

Tgt Ion:	142	Resp:	31790
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.4	53.2
141	14.5	11.7	17.5



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





#11

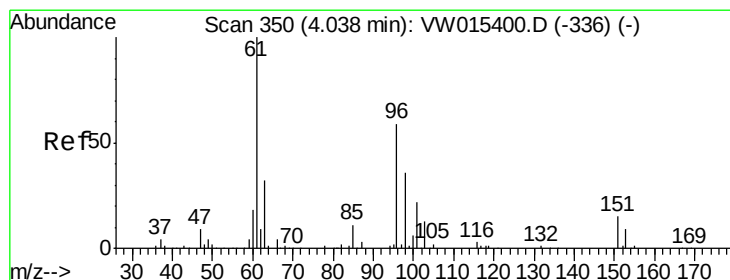
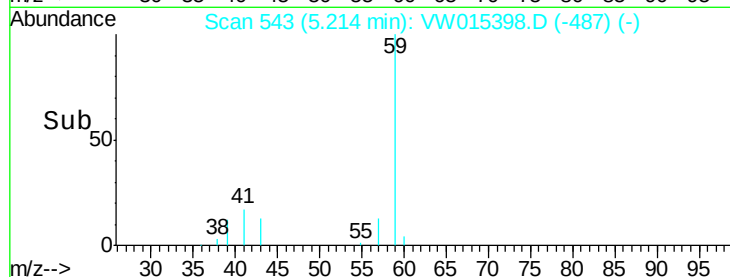
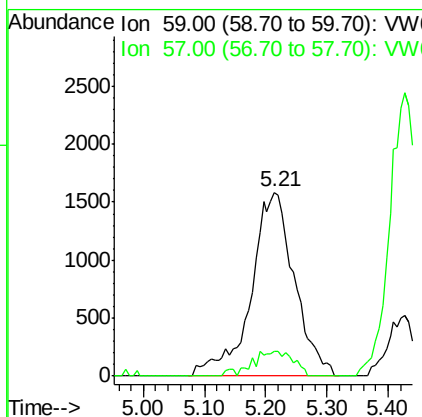
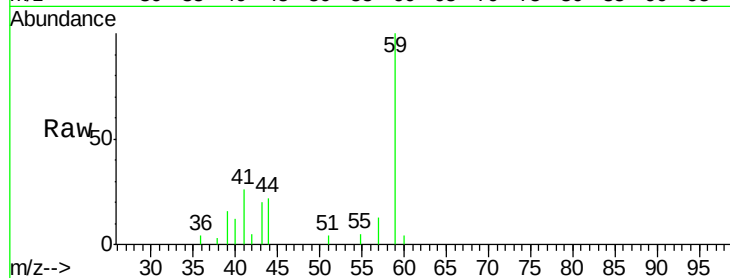
Tert butyl alcohol
 Concen: 51.028 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.6	13.0

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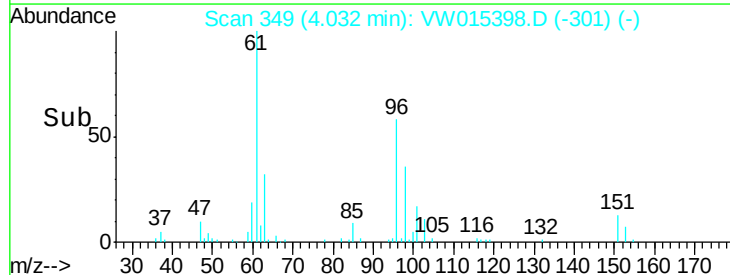
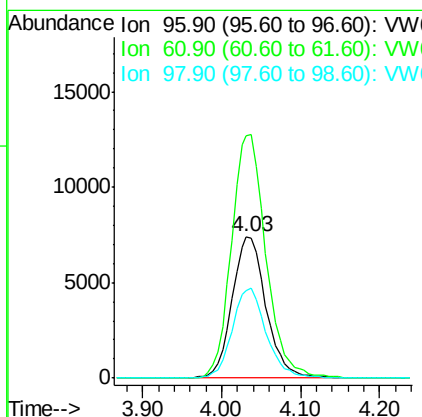
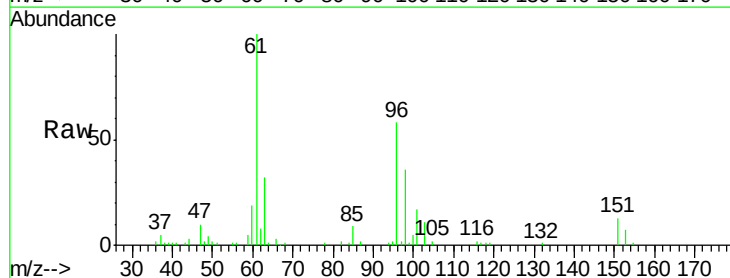
MMDadoda
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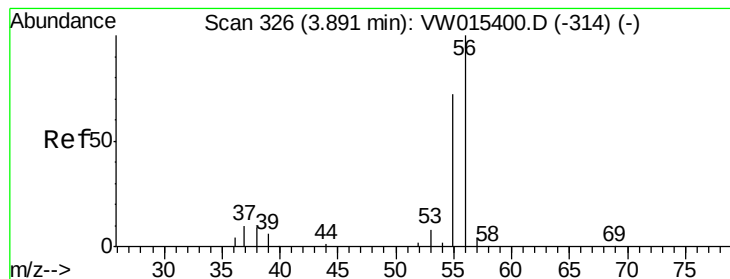


#12

1,1-Dichloroethene
 Concen: 11.161 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	135.8	203.8
98	61.6	48.6	72.8





#13

Acrolein

Concen: 94.953 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 9275

Ion Ratio Lower Upper

56 100

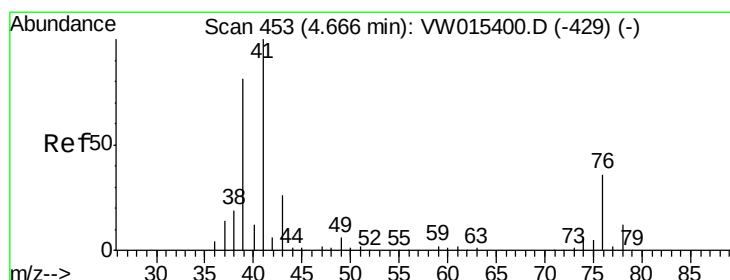
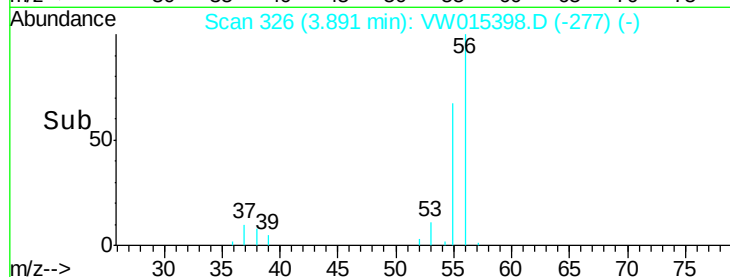
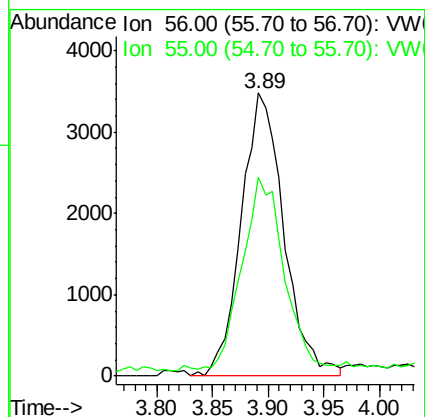
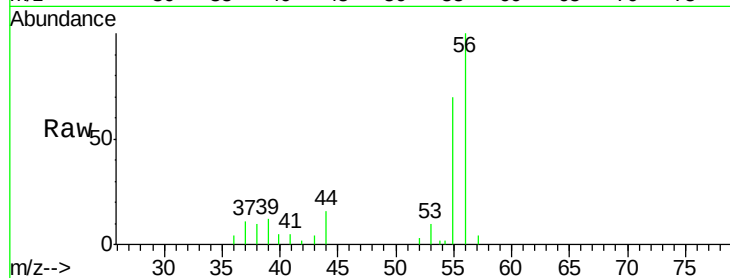
55 65.8 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 13.832 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

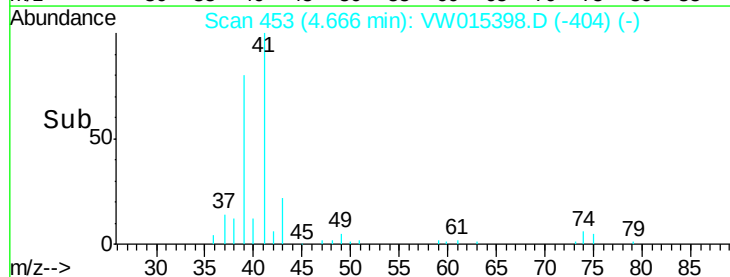
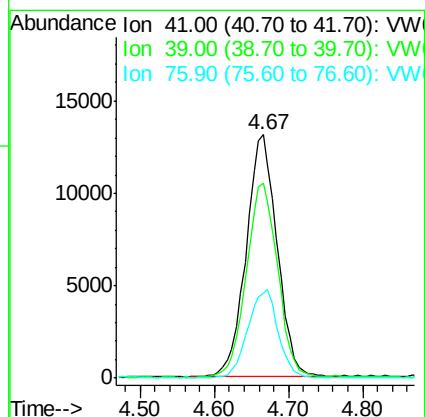
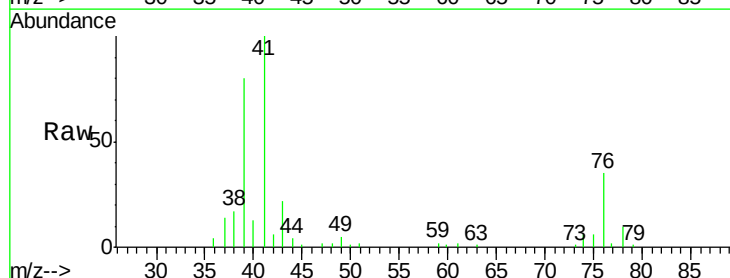
Tgt Ion: 41 Resp: 38373

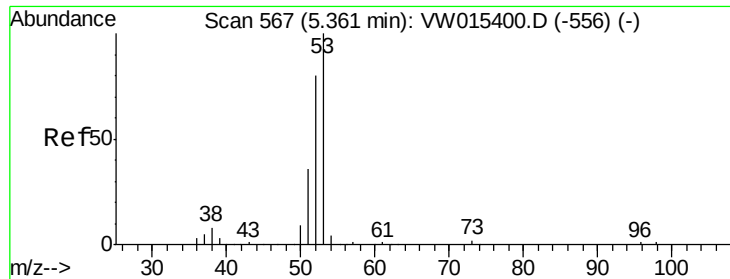
Ion Ratio Lower Upper

41 100

39 80.5 63.6 95.4

76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 63.624 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

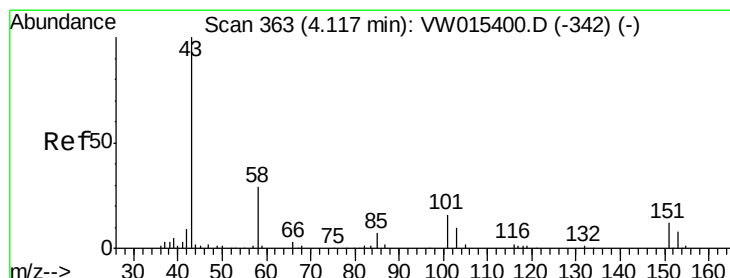
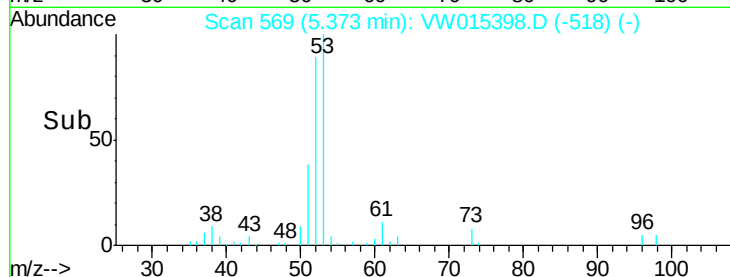
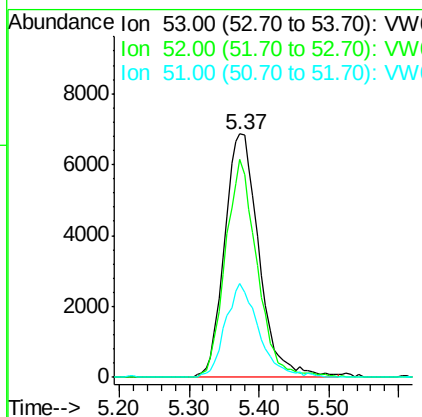
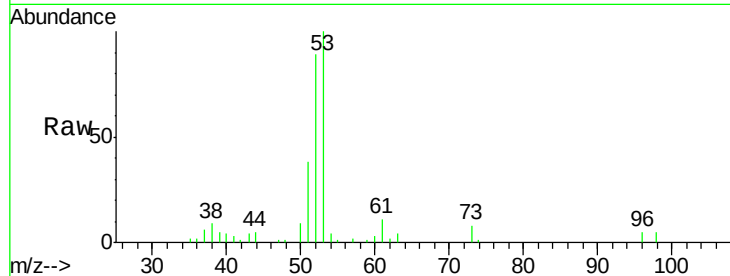
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	23488
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	99.8
51	37.6	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 58.705 ug/l

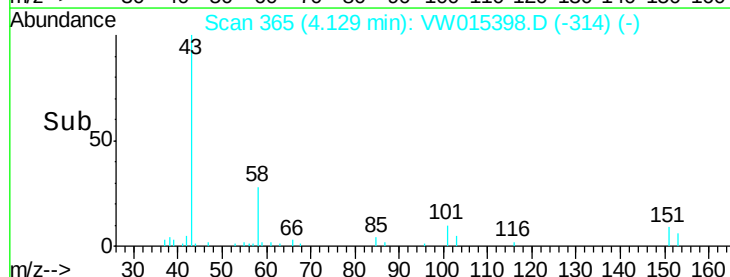
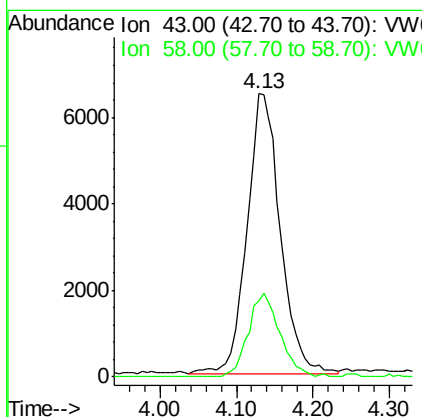
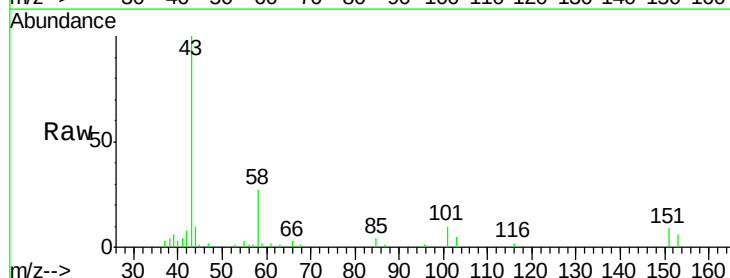
RT: 4.13 min Scan# 365

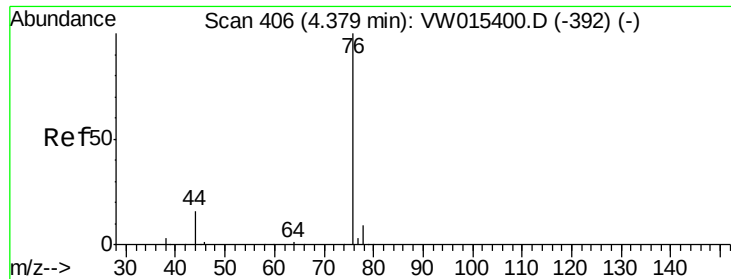
Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion:	43	Resp:	19574
Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.4	35.0





#17

Carbon Disulfide

Concen: 11.347 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 67060

Ion Ratio Lower Upper

76 100

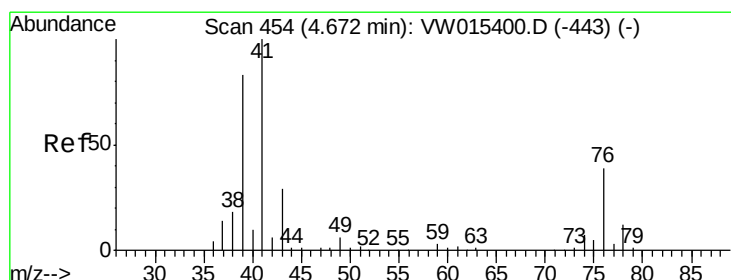
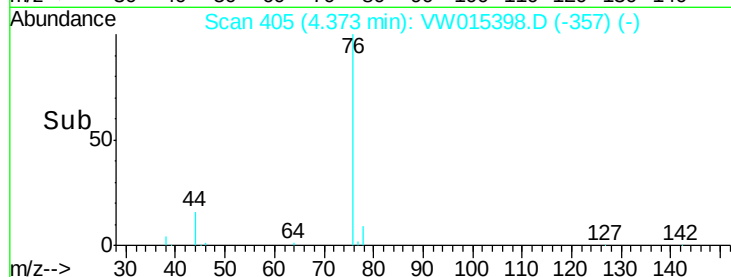
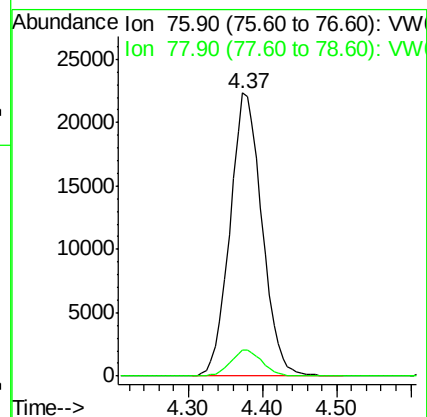
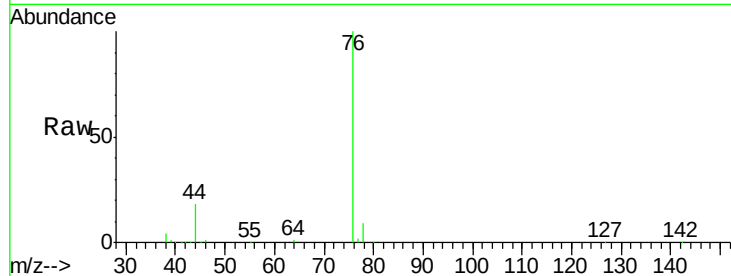
78 9.3 7.3 10.9

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#18

Methyl Acetate

Concen: 11.774 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015398.D

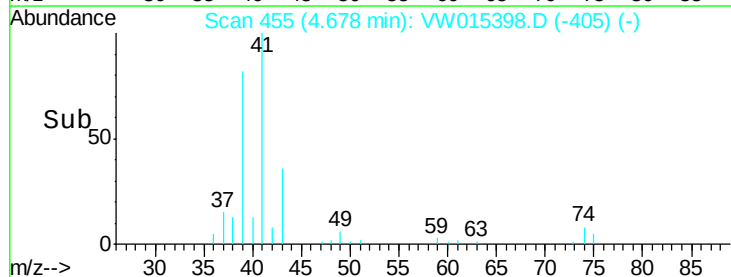
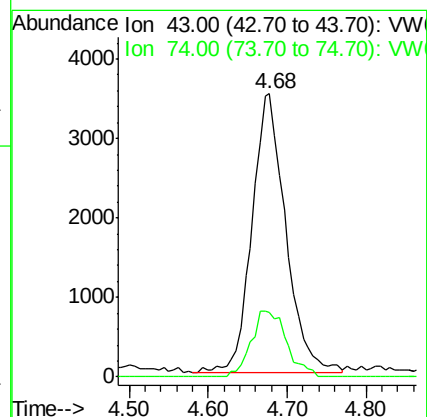
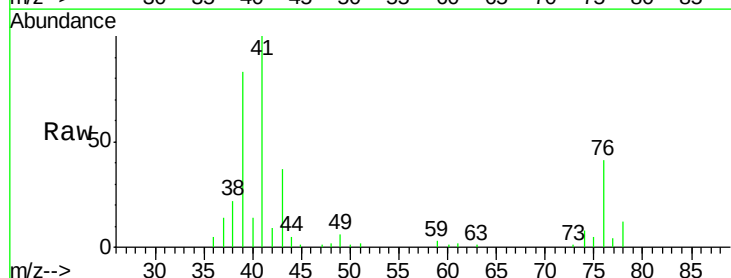
Acq: 05 May 2020 16:40

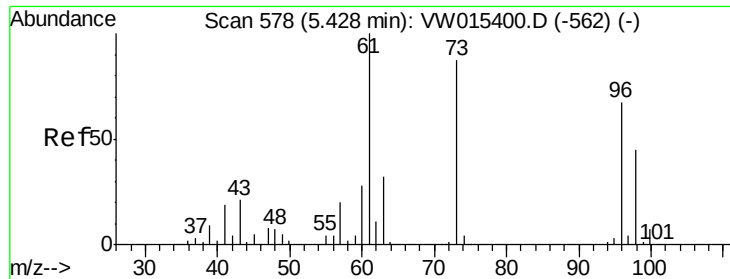
Tgt Ion: 43 Resp: 10466

Ion Ratio Lower Upper

43 100

74 24.7 18.7 28.1





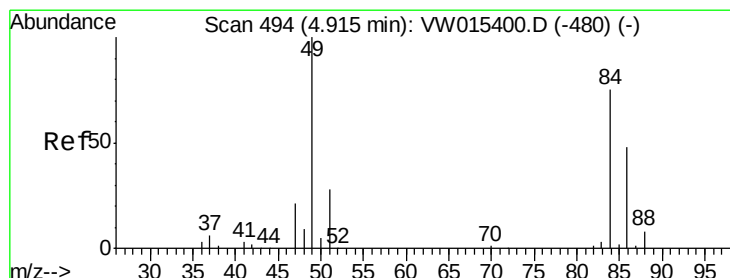
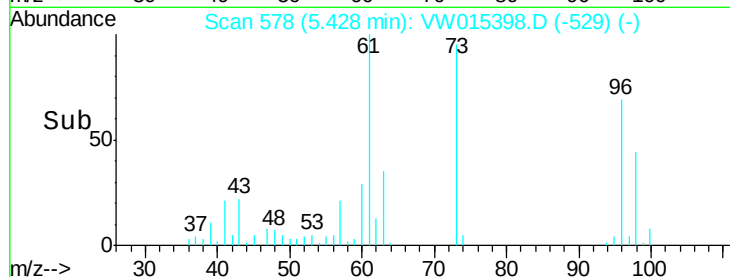
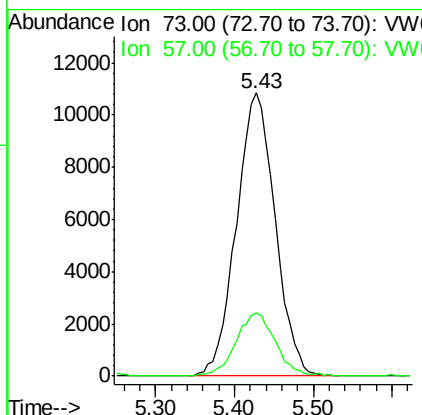
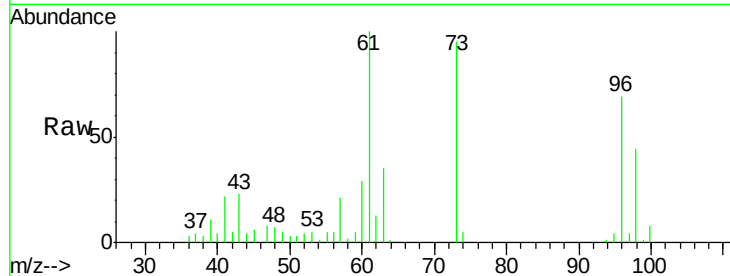
#19
Methyl tert-butyl Ether
Concen: 8.610 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 73 Resp: 37005
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7

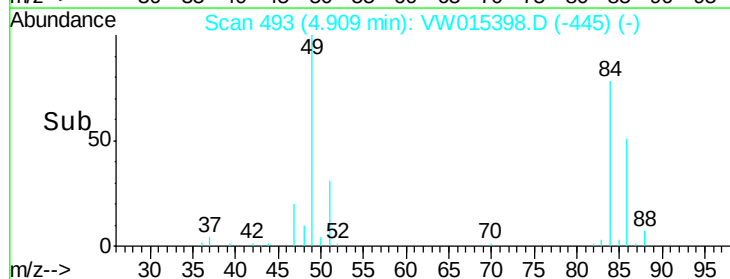
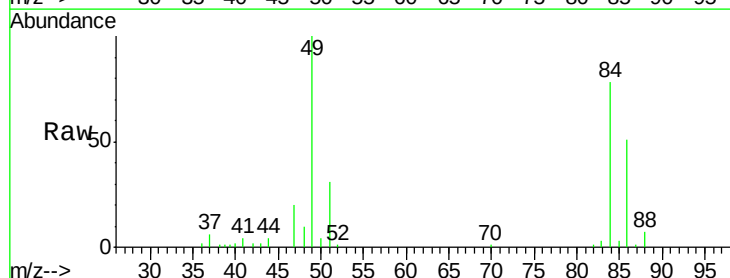
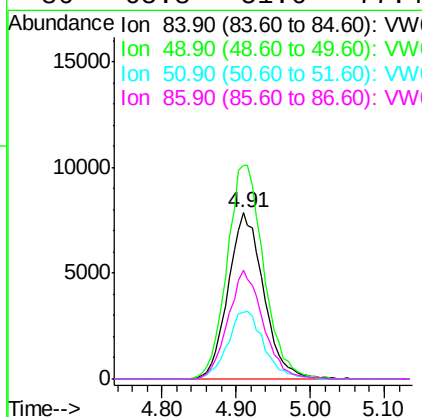
Manual Integrations
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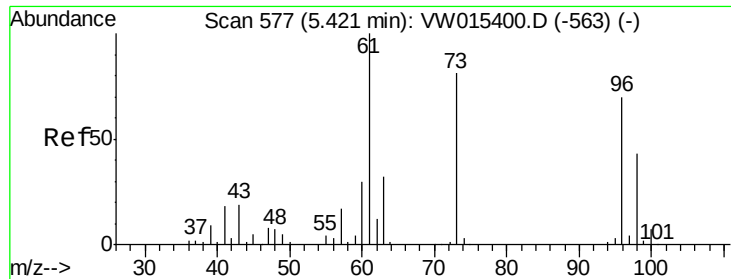
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#20
Methylene Chloride
Concen: 12.102 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 84 Resp: 26174
Ion Ratio Lower Upper
84 100
49 128.6 106.4 159.6
51 40.0 30.2 45.2
86 65.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 11.034 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 24808

Ion Ratio Lower Upper

96 100

61 156.0 114.9 172.3

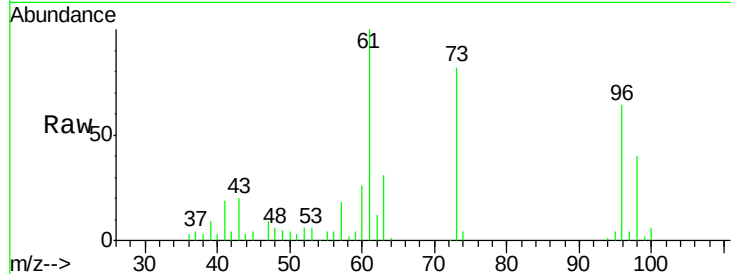
98 63.1 49.4 74.0

Manual Integrations

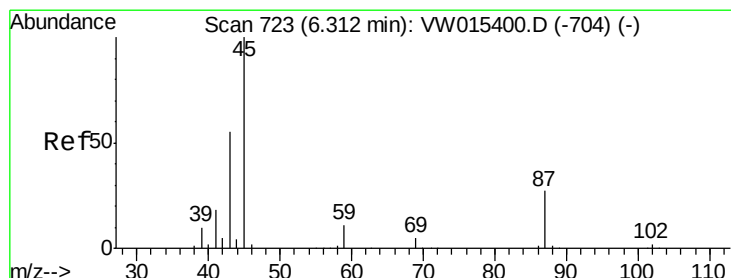
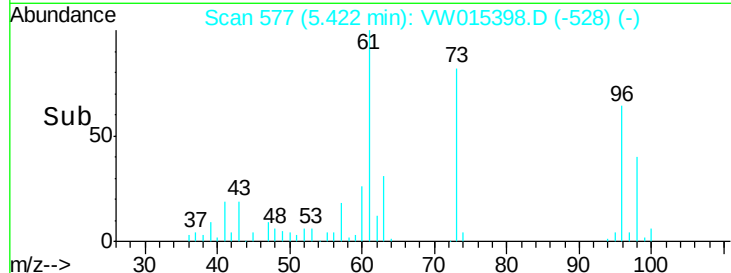
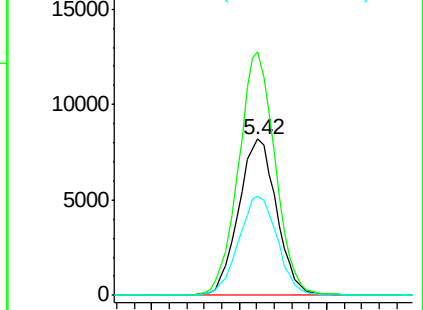
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 14.163 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion: 45 Resp: 75806

Ion Ratio Lower Upper

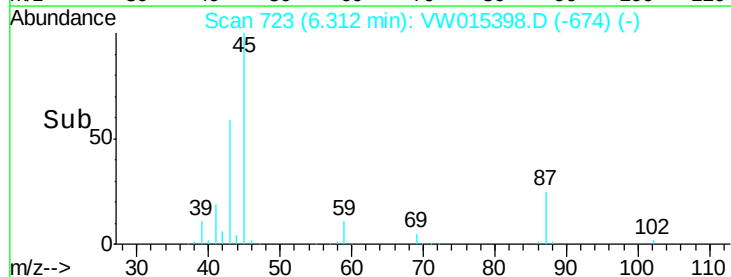
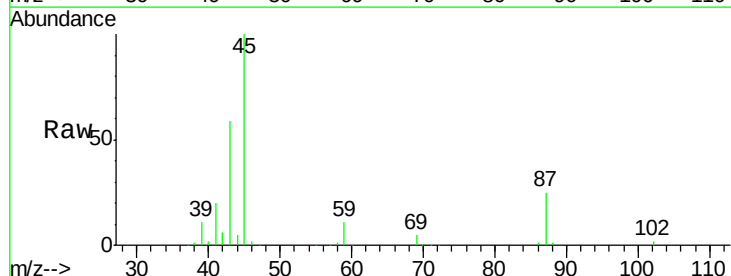
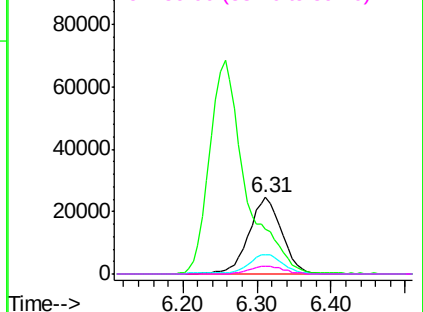
45 100

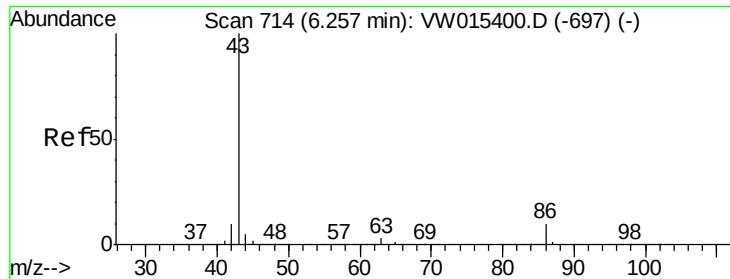
43 57.9 44.2 66.4

87 25.5 21.6 32.4

59 10.5 9.0 13.6

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 72.394 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 229458

Ion Ratio Lower Upper

43 100

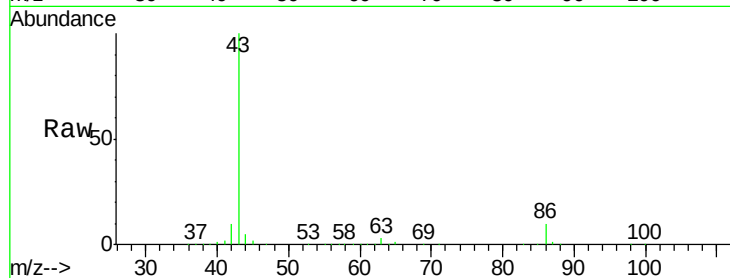
86 10.1 8.1 12.1

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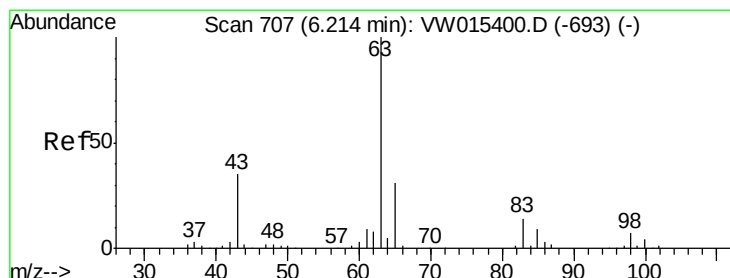
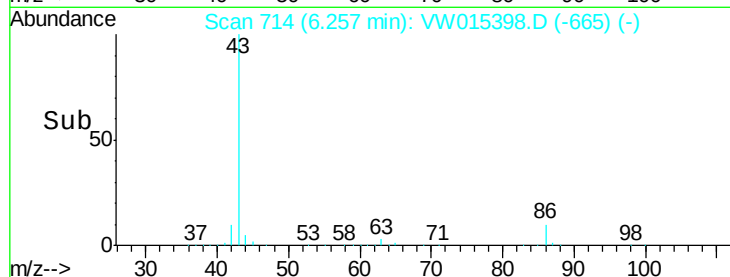
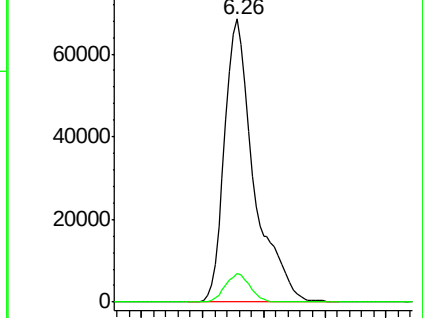
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 12.524 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

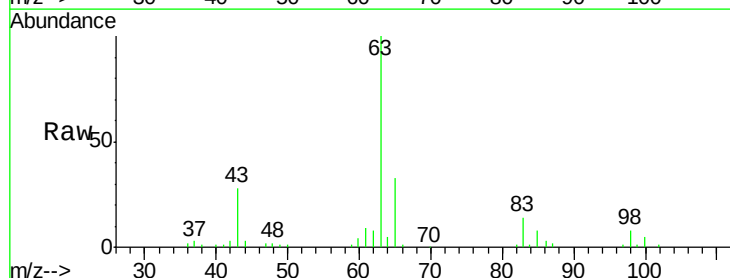
Tgt Ion: 63 Resp: 45076

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

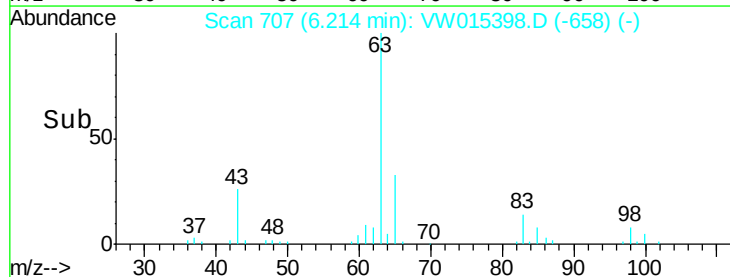
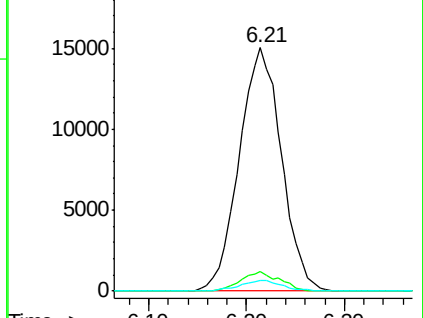
100 4.6 2.1 6.5

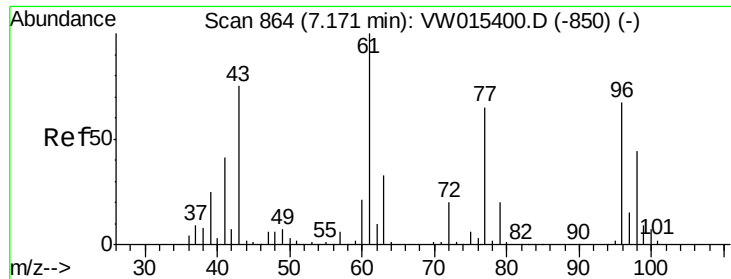


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 65.869 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 30253

Ion Ratio Lower Upper

43 100

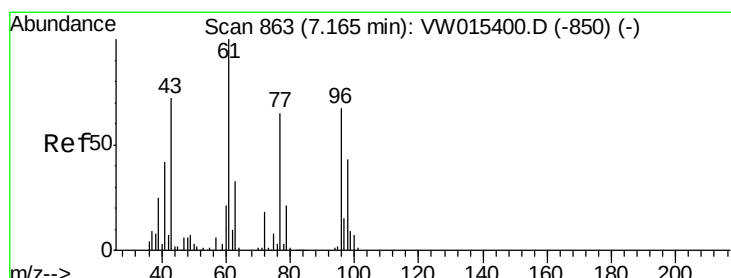
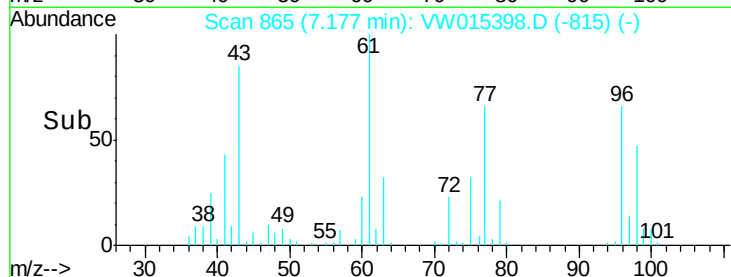
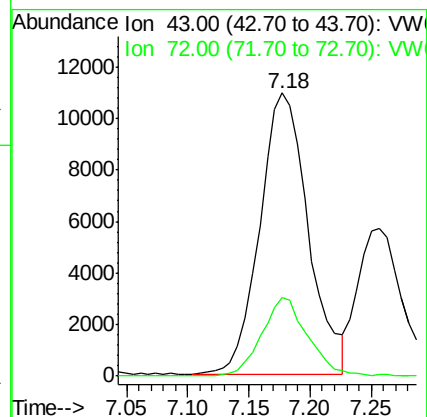
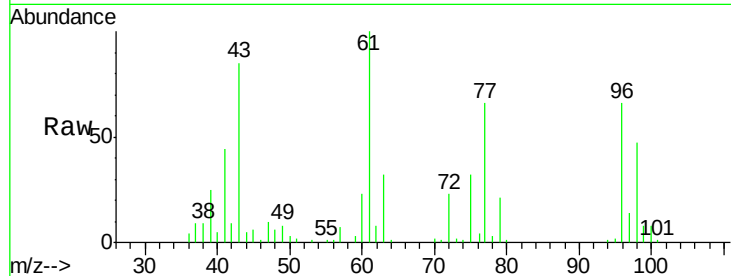
72 27.7 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 8.956 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015398.D

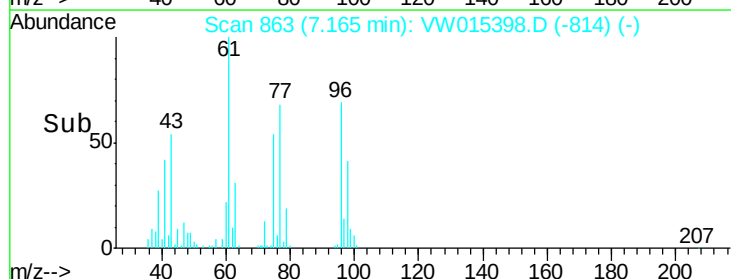
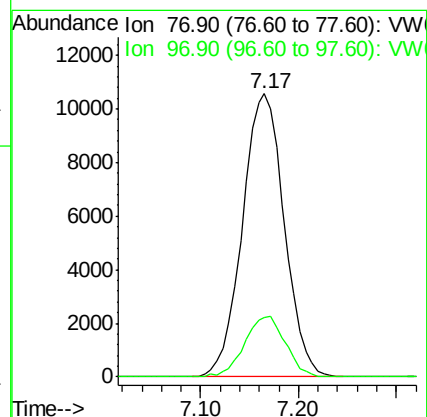
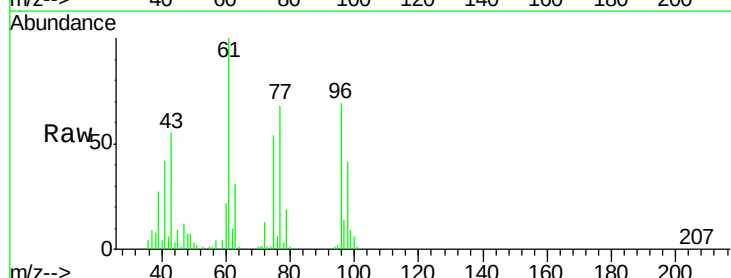
Acq: 05 May 2020 16:40

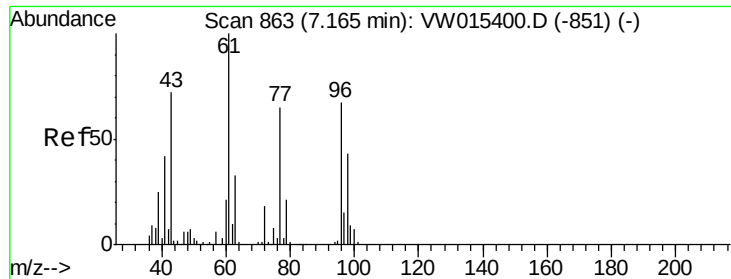
Tgt Ion: 77 Resp: 31435

Ion Ratio Lower Upper

77 100

97 20.8 11.1 33.1





#27

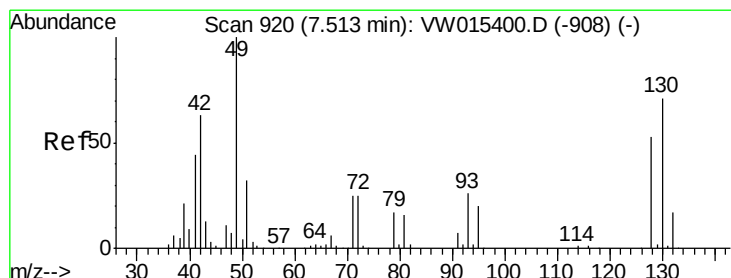
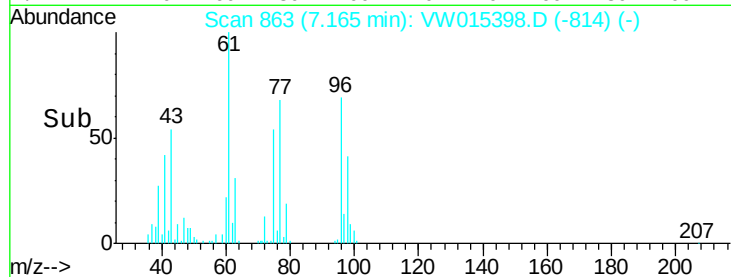
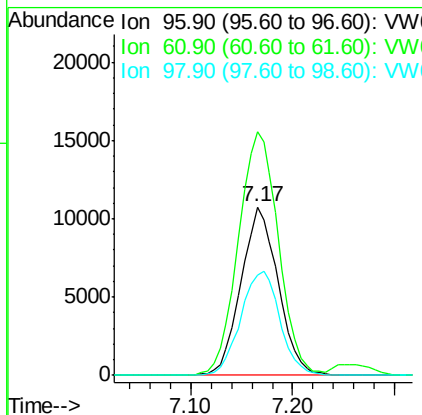
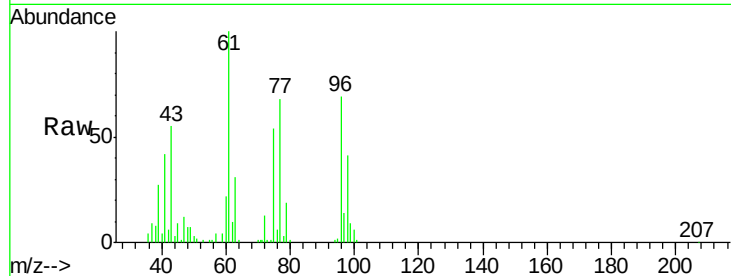
cis-1,2-Dichloroethene
 Concen: 11.151 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	304.6
98	65.3	0.0	129.2

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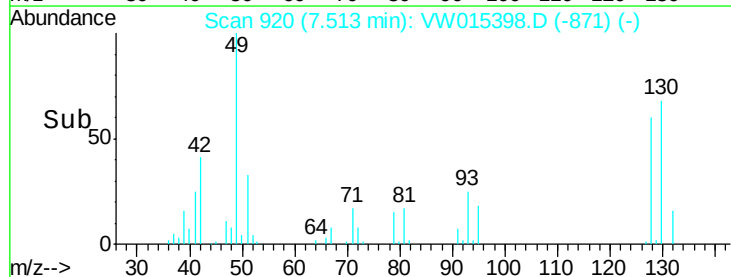
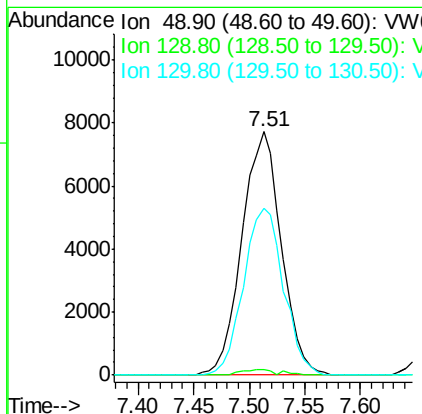
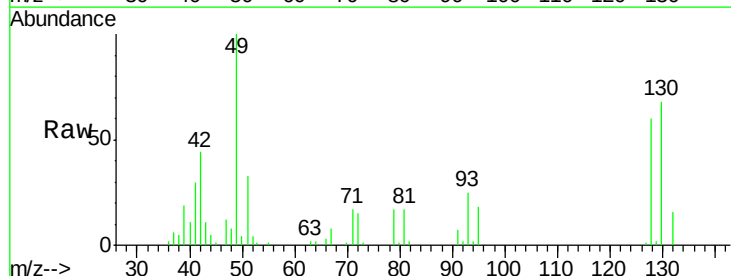
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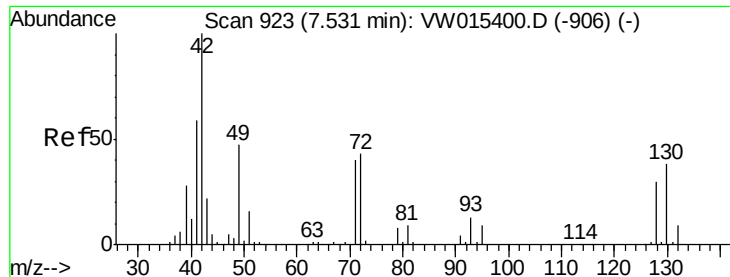


#28

Bromochloromethane
 Concen: 14.308 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	69.5	57.0	85.4





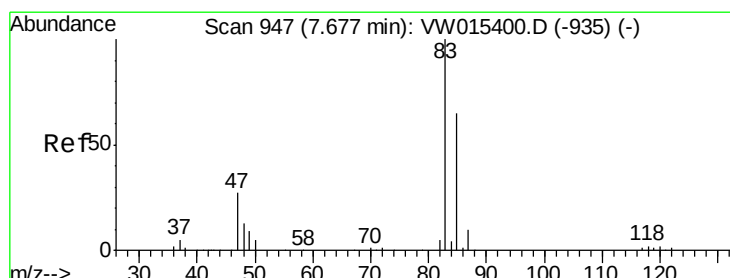
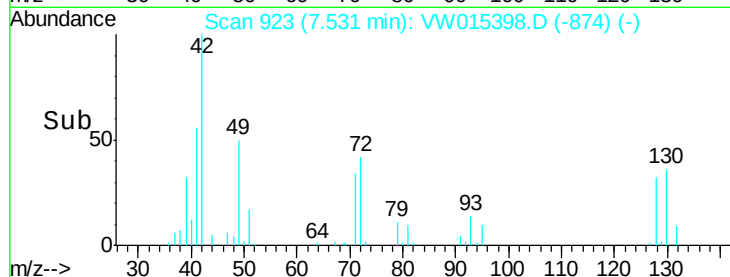
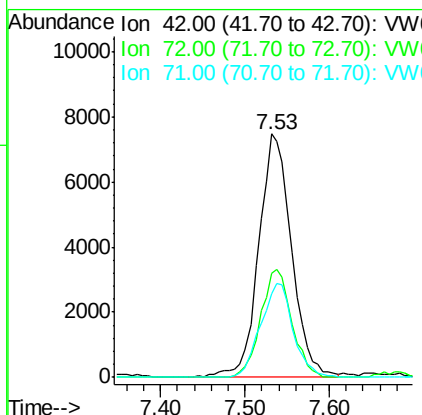
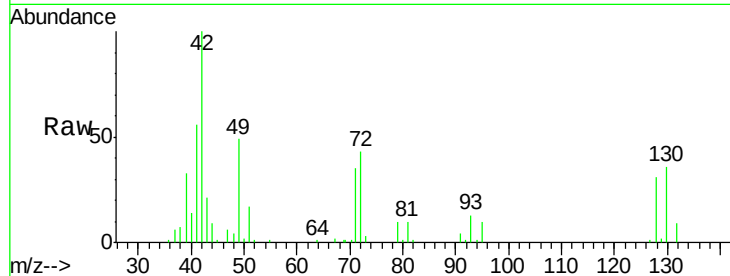
#29
Tetrahydrofuran
Concen: 69.463 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	20175
Ion Ratio		Lower	Upper
42	100		
72	41.9	33.6	50.4
71	38.1	32.1	48.1

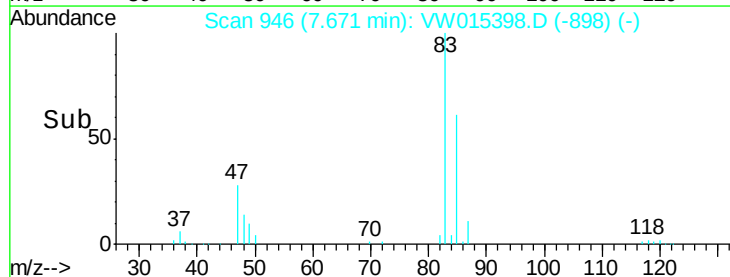
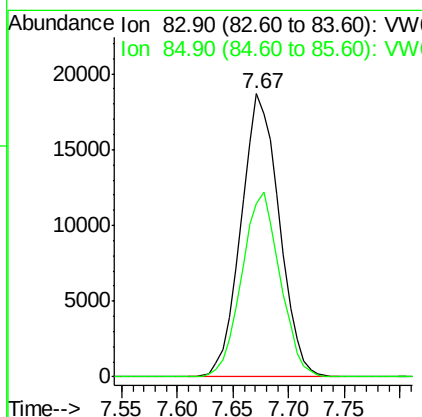
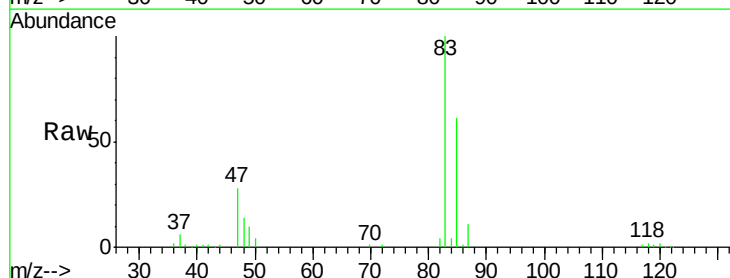
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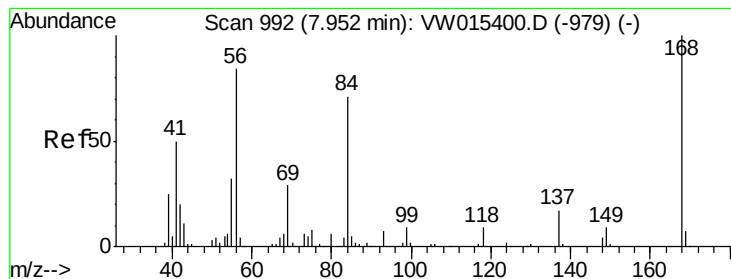
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#30
Chloroform
Concen: 11.657 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:	83	Resp:	44529
Ion Ratio		Lower	Upper
83	100		
85	61.3	51.8	77.6





#31

Cyclohexane

Concen: 13.219 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 47940

Ion Ratio Lower Upper

56 100

69 45.6 27.2 40.8#

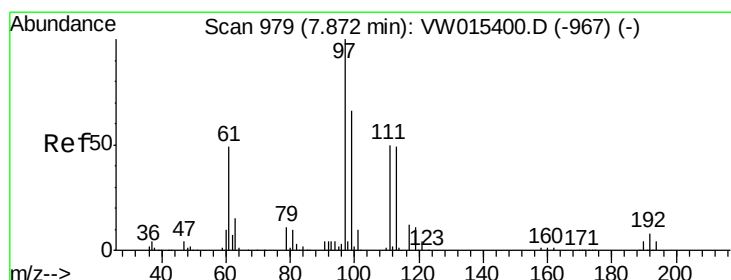
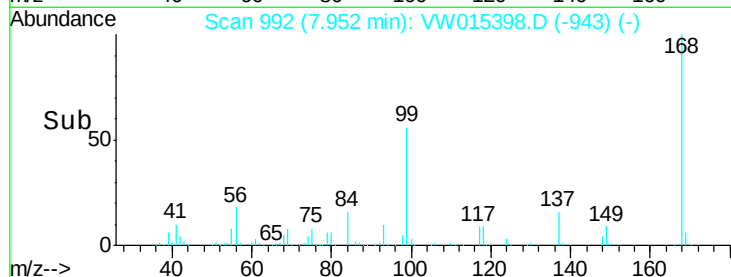
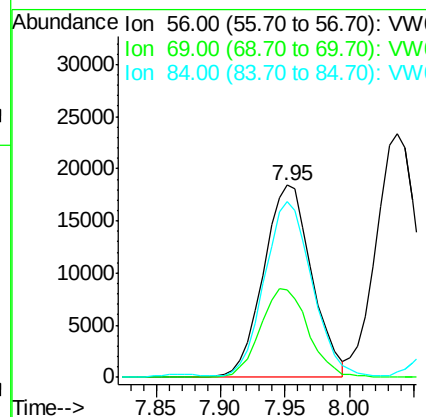
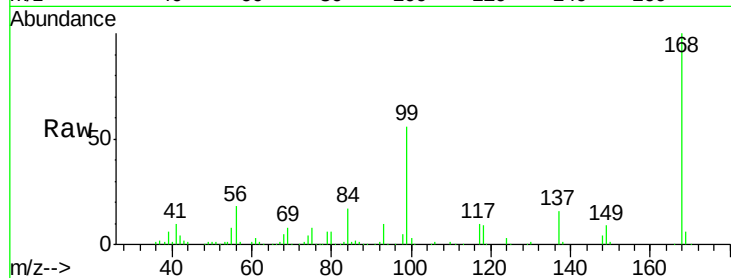
84 89.7 67.7 101.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 10.539 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

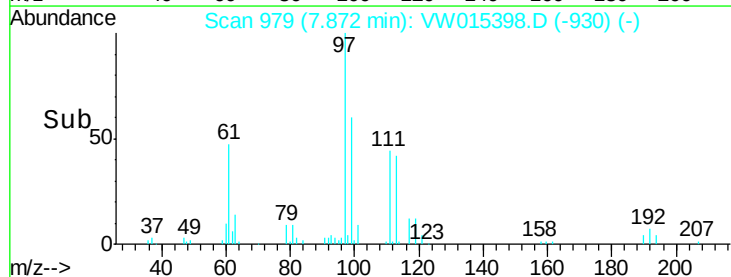
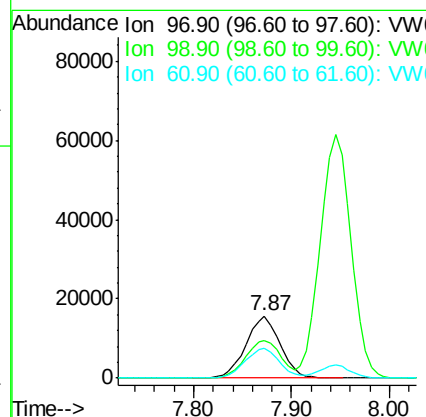
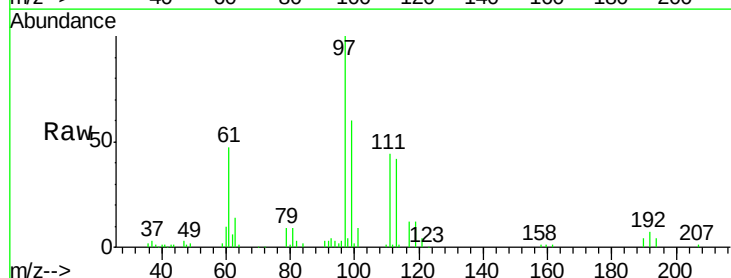
Tgt Ion: 97 Resp: 38131

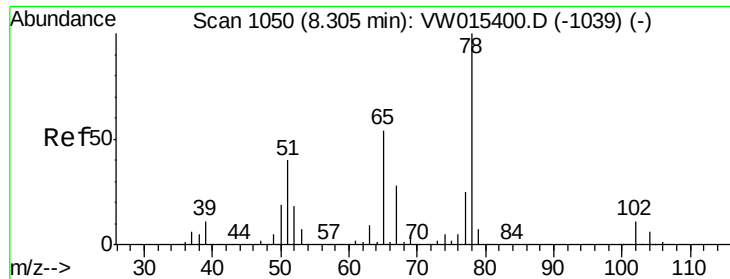
Ion Ratio Lower Upper

97 100

99 62.8 50.7 76.1

61 48.9 38.0 57.0





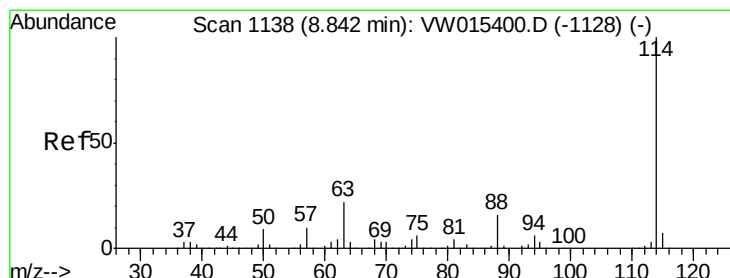
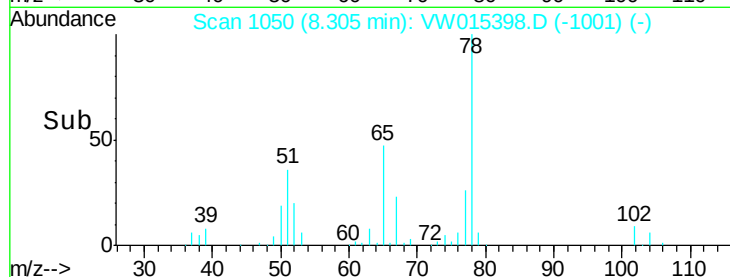
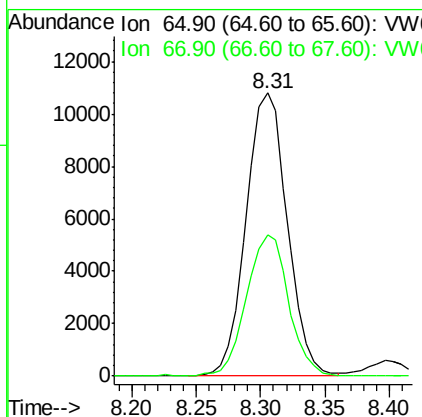
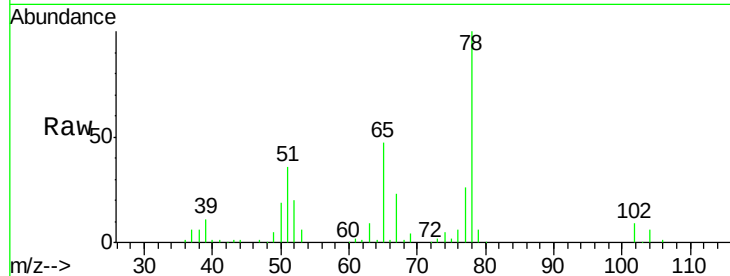
#33
 1,2-Dichloroethane-d4
 Concen: 12.252 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	23918		
67	50.9	0.0	102.8	

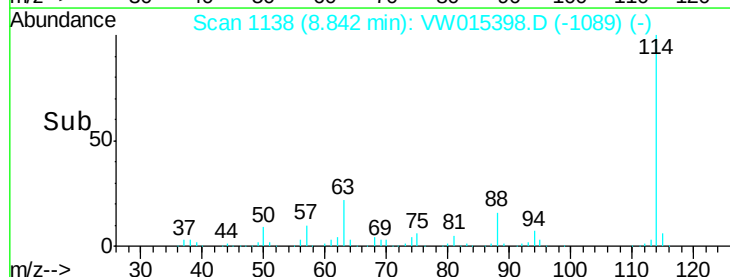
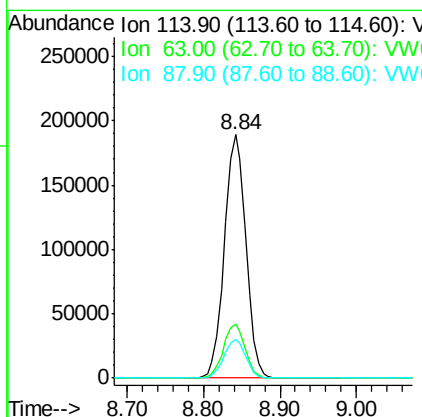
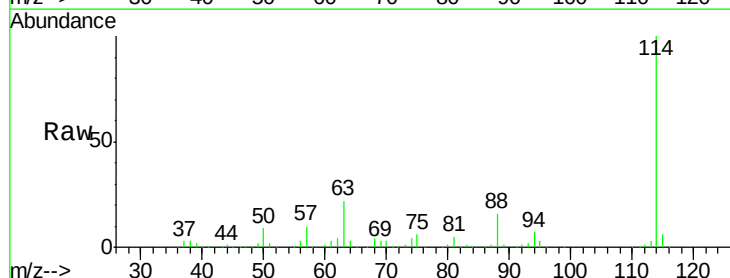
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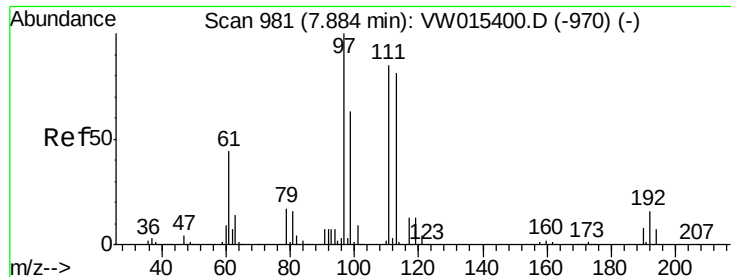
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366434		
63	22.2	0.0	43.4	
88	16.2	0.0	31.8	





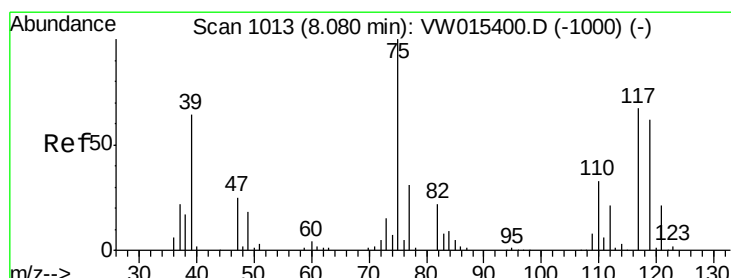
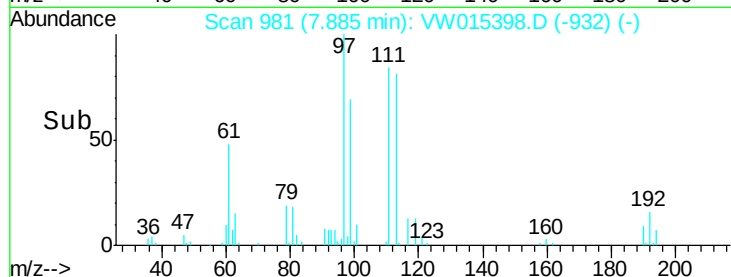
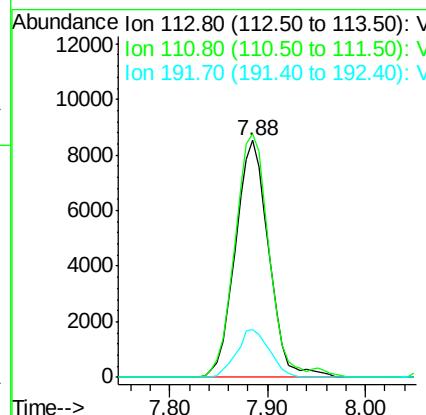
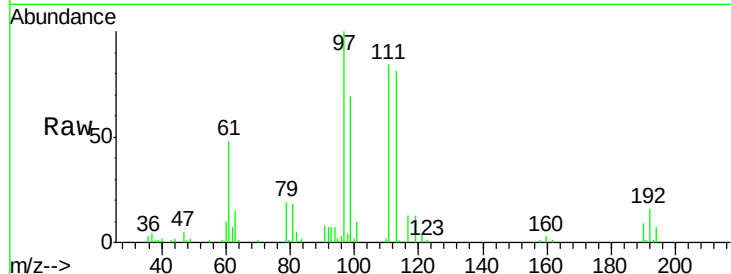
#35
 Dibromofluoromethane
 Concen: 9.918 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.7	15.4	23.0

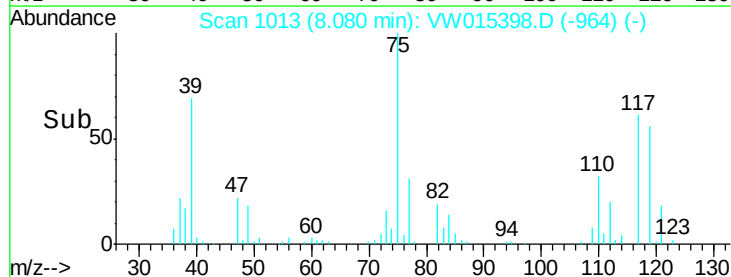
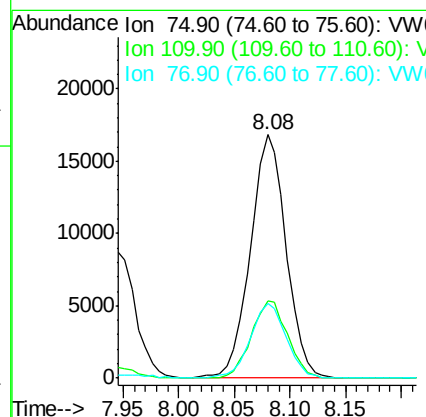
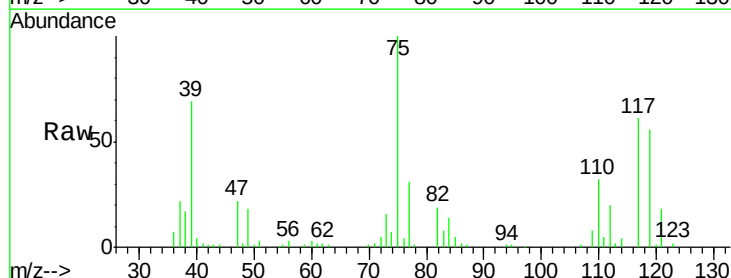
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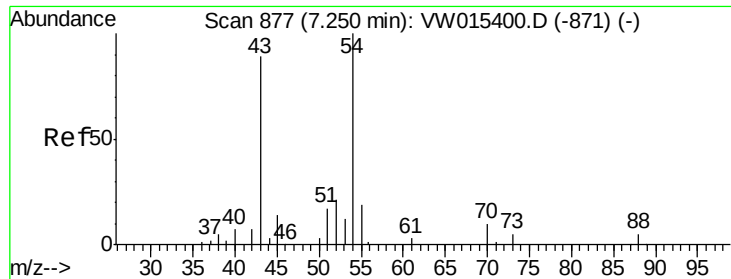
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#36
 1,1-Dichloropropene
 Concen: 11.117 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.6	49.8
77	30.8	24.5	36.7





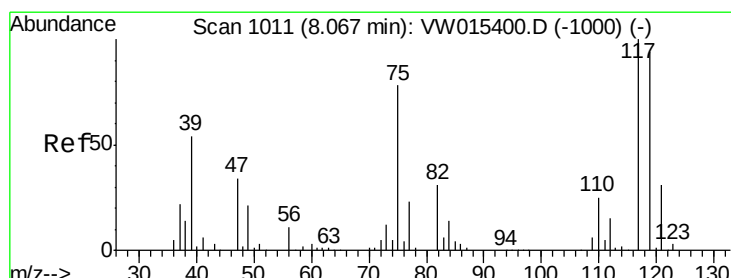
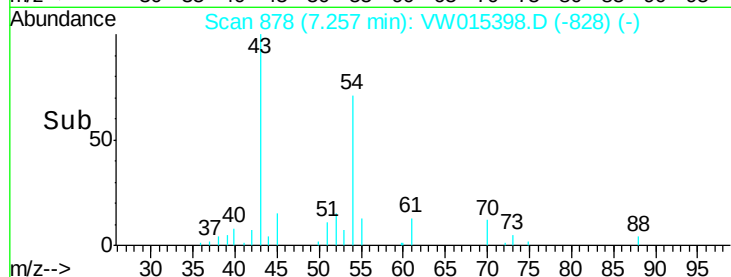
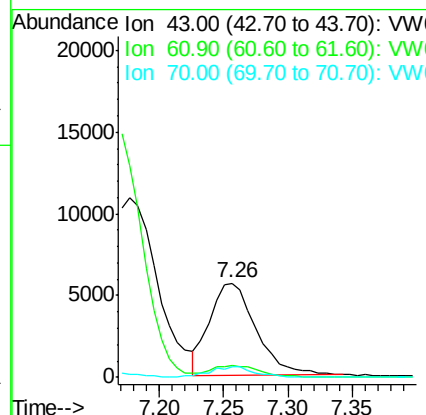
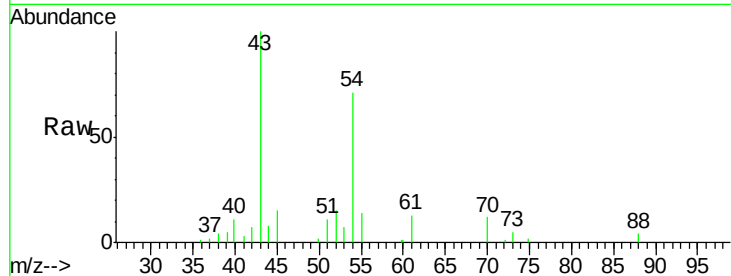
#37
Ethyl Acetate
Concen: 12.430 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	10.9	8.0	12.0

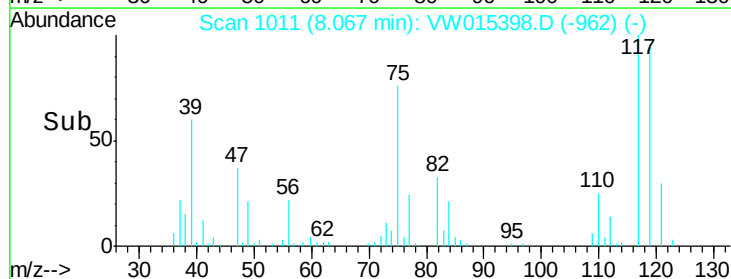
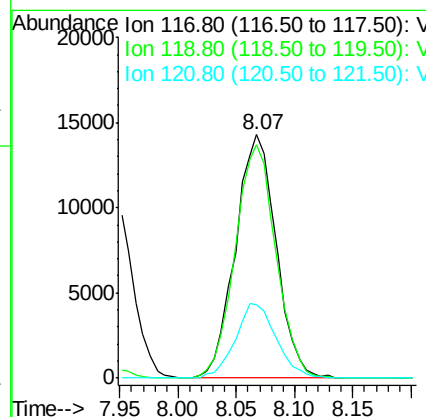
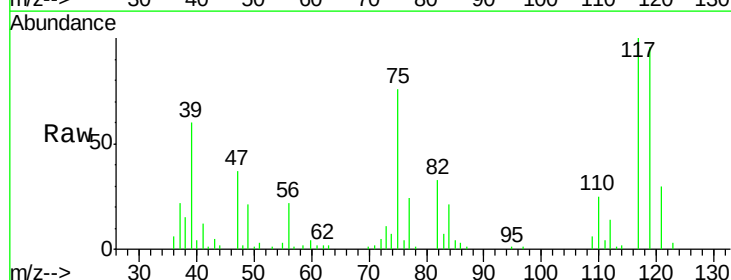
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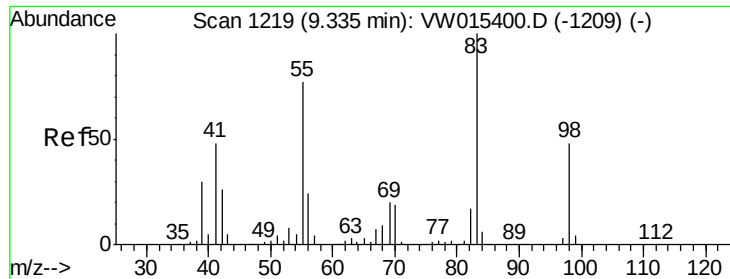
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#38
Carbon Tetrachloride
Concen: 9.627 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.4	113.0
121	30.0	24.8	37.2





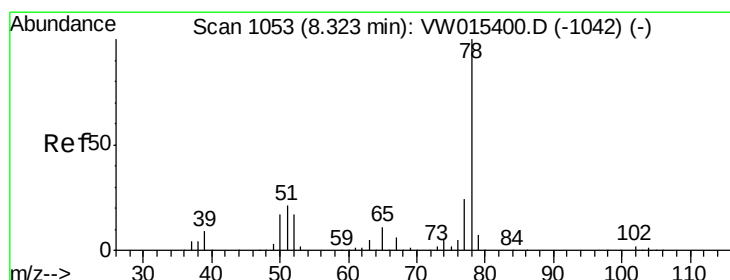
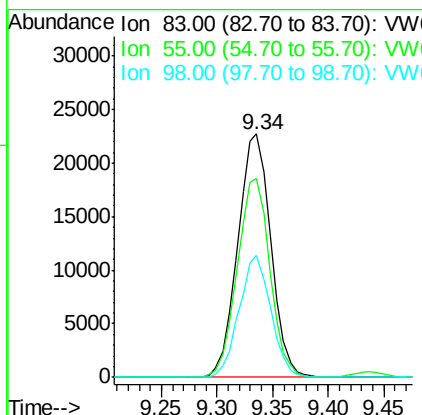
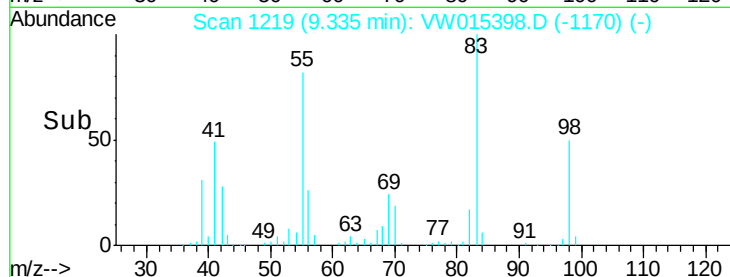
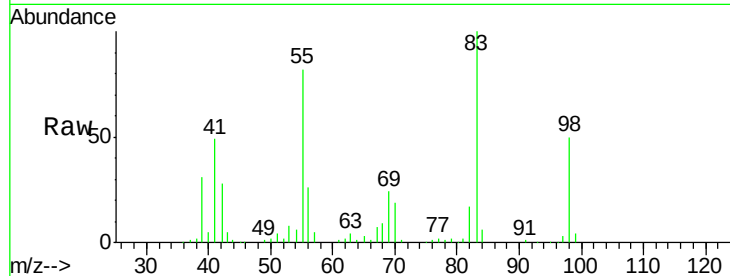
#39
Methylvlcyclohexane
Concen: 10.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	46813
Ion Ratio	100	Lower	Upper
83	100		
55	81.6	61.9	92.9
98	49.9	38.2	57.2

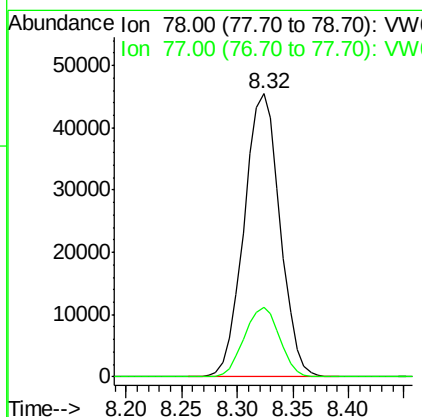
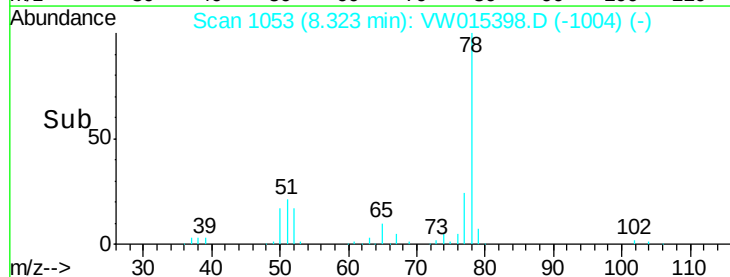
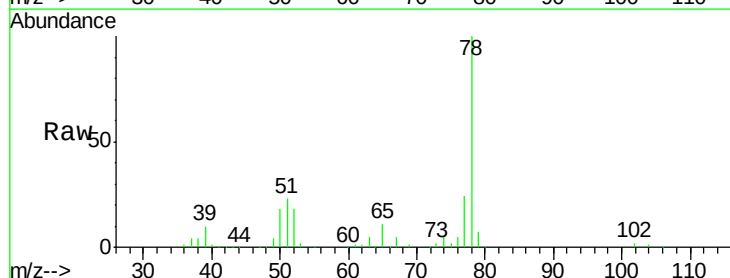
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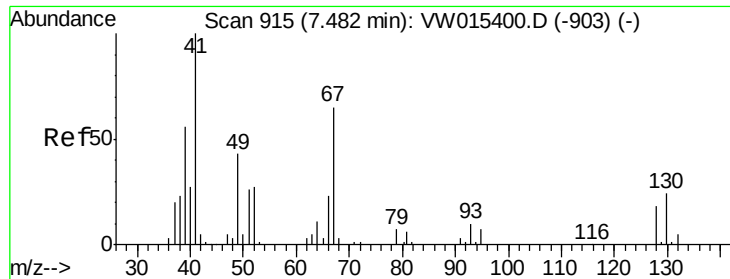
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#40
Benzene
Concen: 11.328 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	78	Resp	102151
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	19.0	28.4





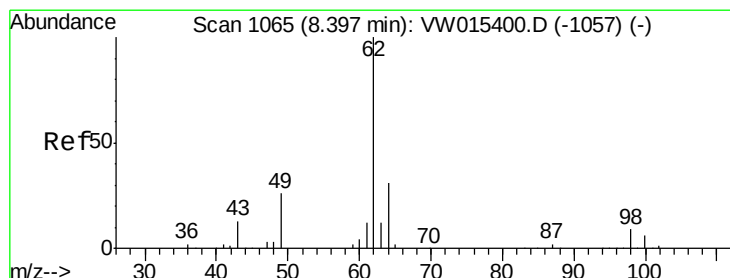
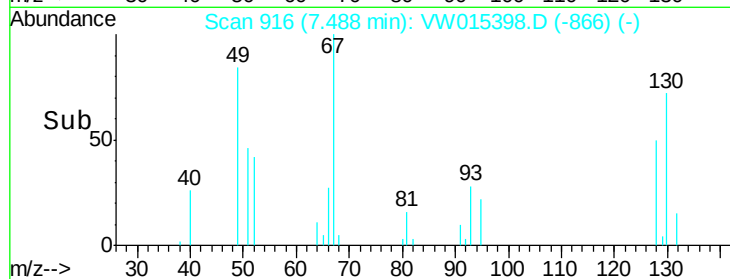
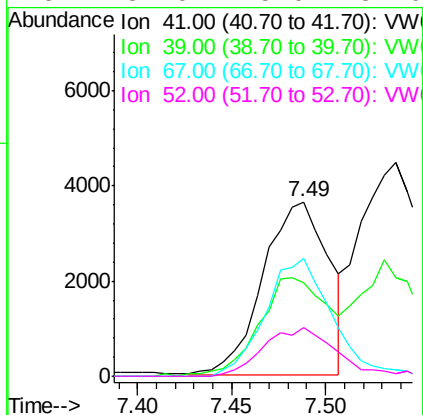
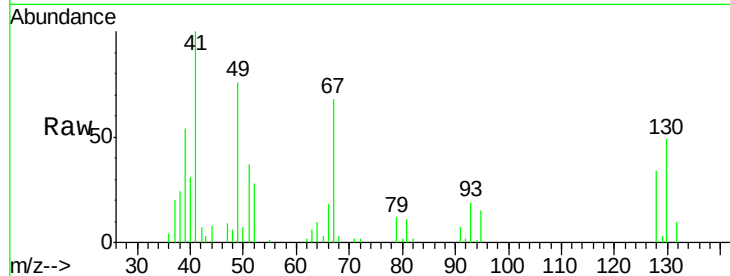
#41
Methacrylonitrile
Concen: 12.808 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	8806
Ion	Ratio	Lower	Upper
41	100		
39	59.5	46.2	69.4
67	68.5	56.2	84.2
52	31.0	25.0	37.6

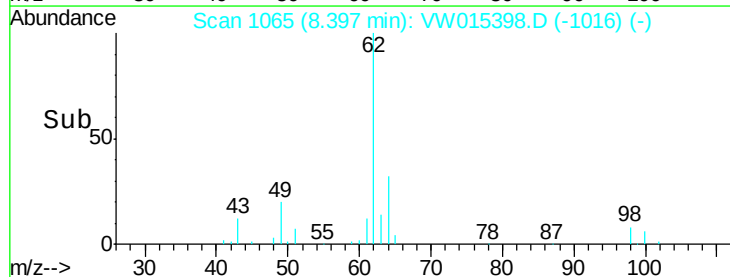
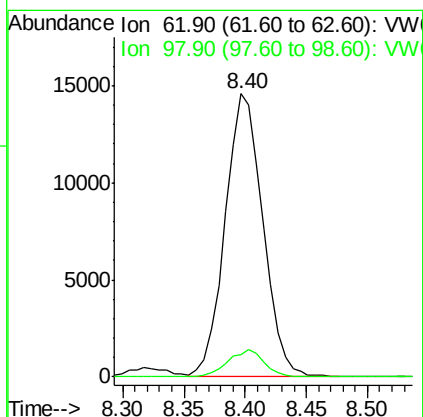
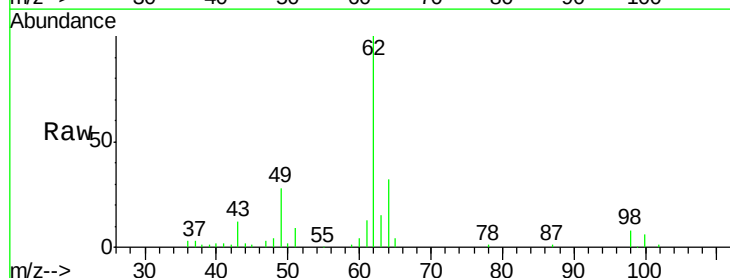
Manual Integrations
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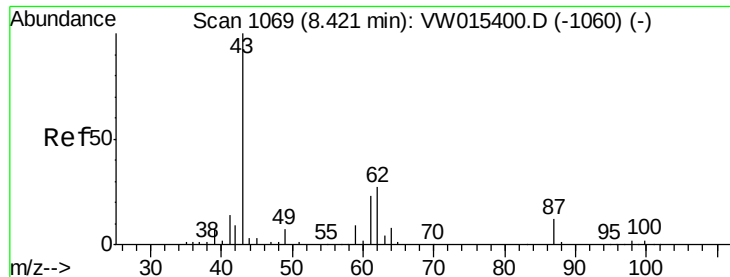
MMDadoda
5/6/2020 12:11:51 PM



#42
1,2-Dichloroethane
Concen: 11.602 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:	62	Resp:	31113
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 12.975 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

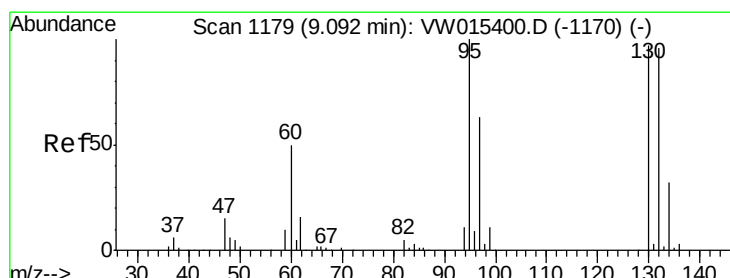
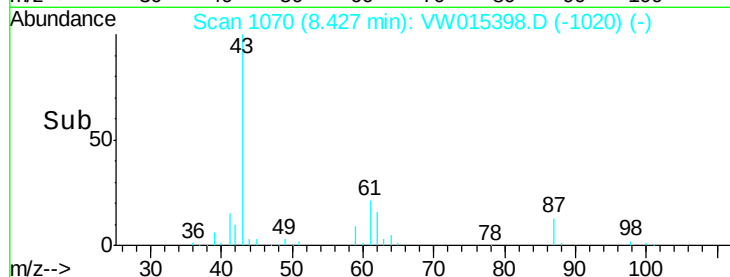
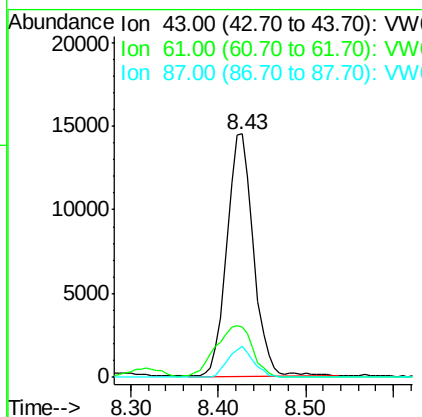
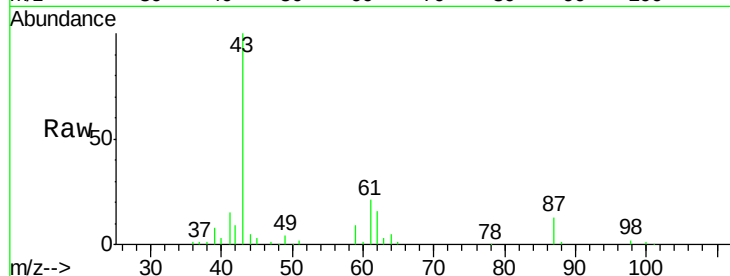
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	30767
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.3	36.5
87	12.0	10.1	15.1

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#44

Trichloroethene

Concen: 9.730 ug/l

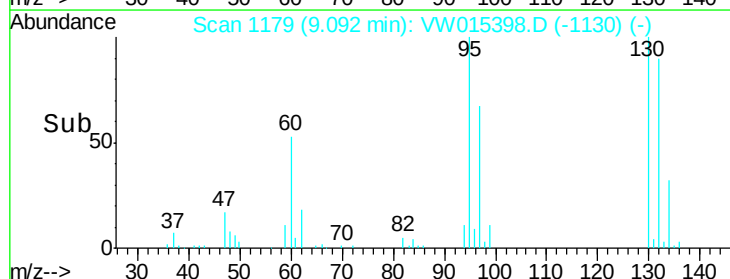
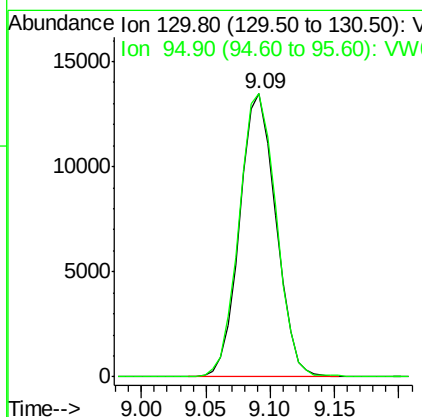
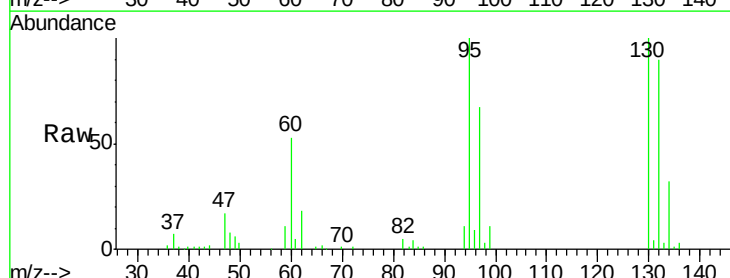
RT: 9.09 min Scan# 1179

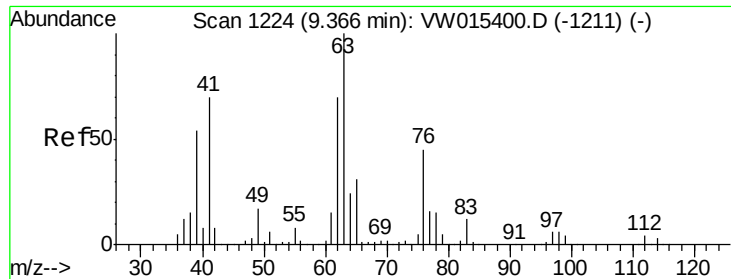
Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion:	130	Resp:	26189
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	205.8





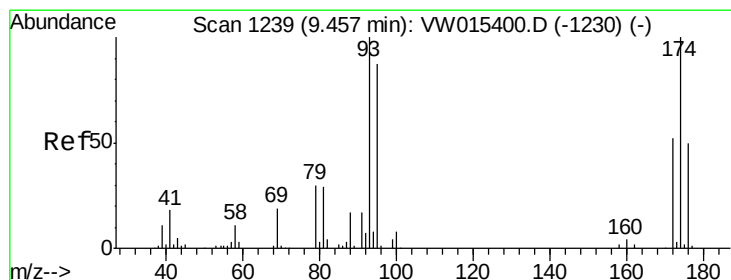
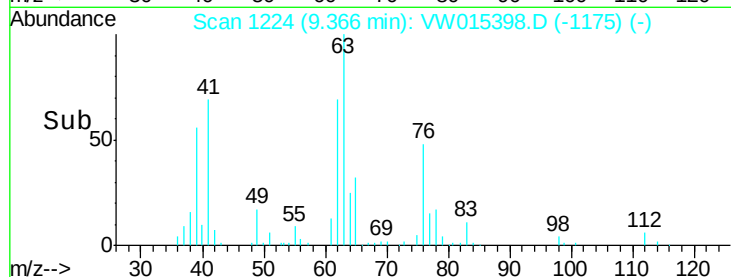
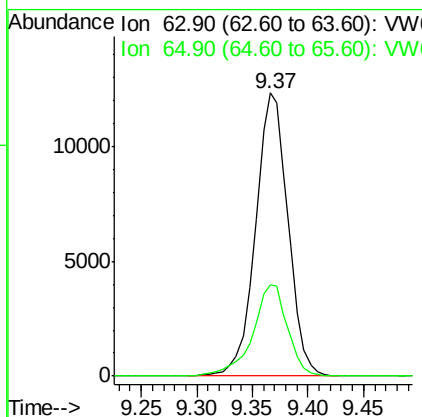
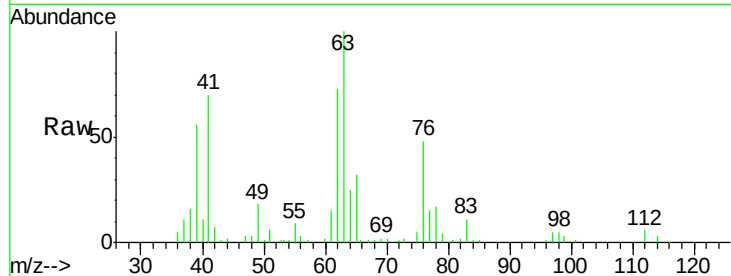
#45
 1,2-Dichloropropane
 Concen: 11.776 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.0	37.6

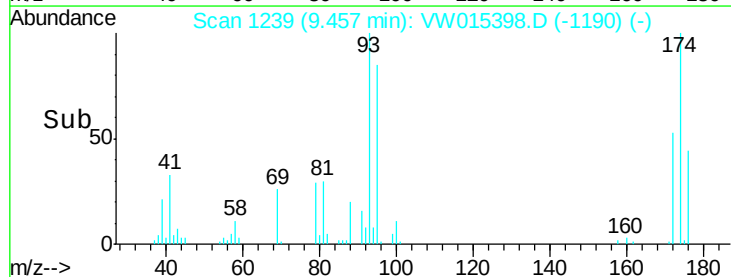
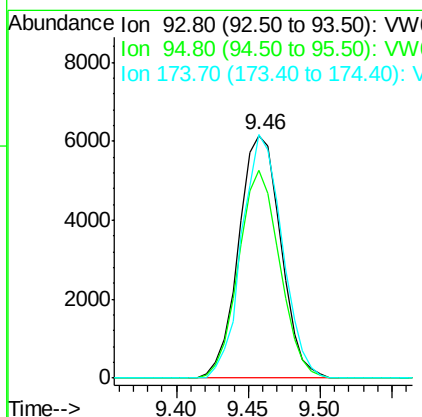
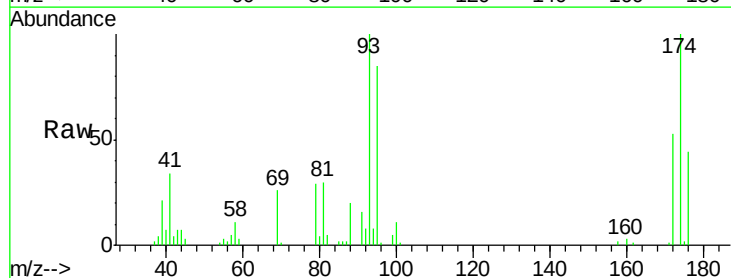
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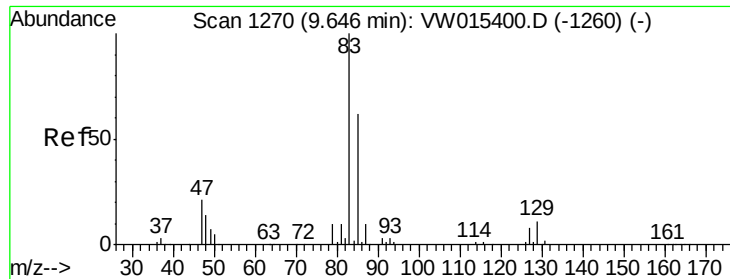
MMDadoda
 5/6/2020 12:11:51 PM



#46
 Dibromomethane
 Concen: 10.375 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.4
174	96.0	78.4	117.6





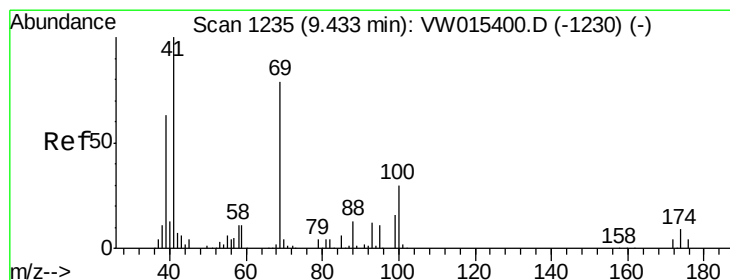
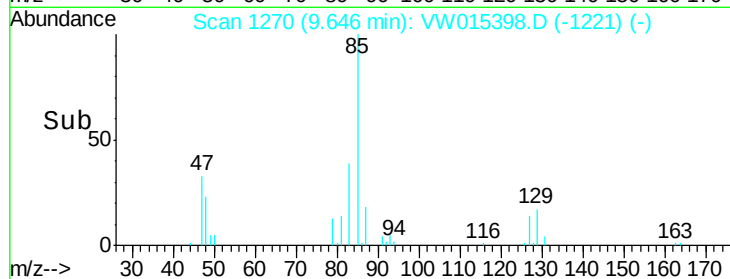
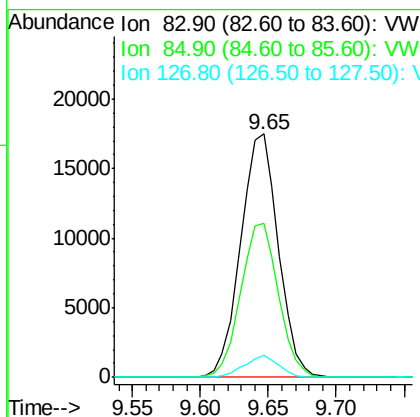
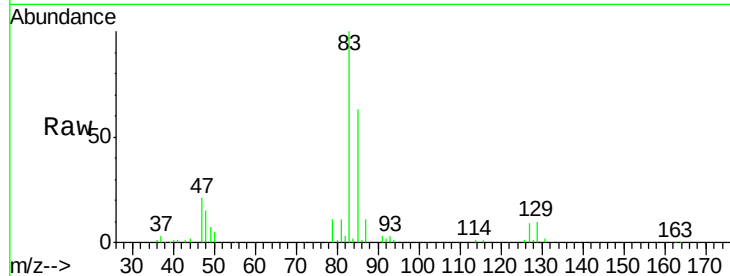
#47
Bromodichloromethane
Concen: 10.499 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	33804
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	49.4	74.0
127	9.1	6.4	9.6

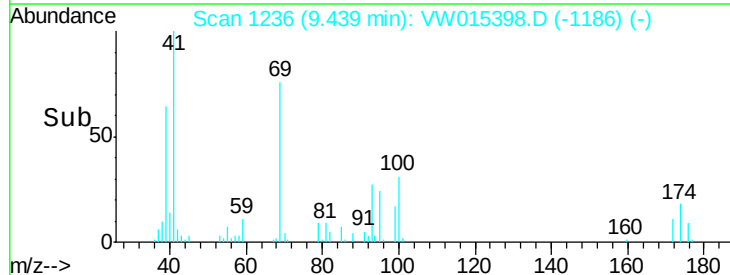
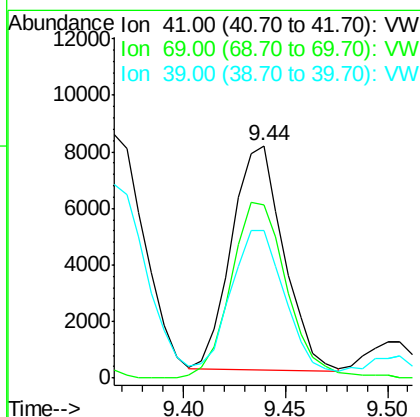
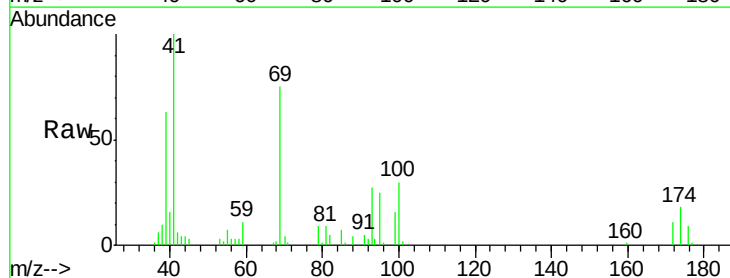
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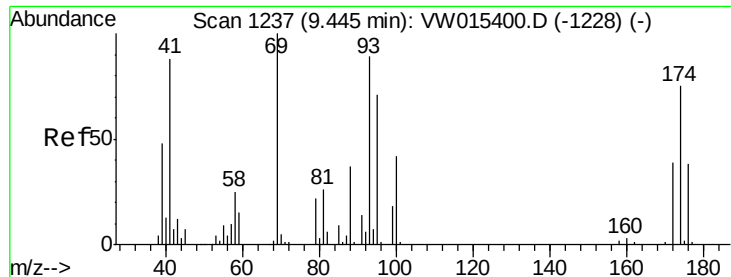
MMDadoda
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#48
Methyl methacrylate
Concen: 12.611 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	41	Resp	14069
Ion Ratio	100	Lower	Upper
41	100		
69	84.9	66.2	99.4
39	63.9	51.1	76.7





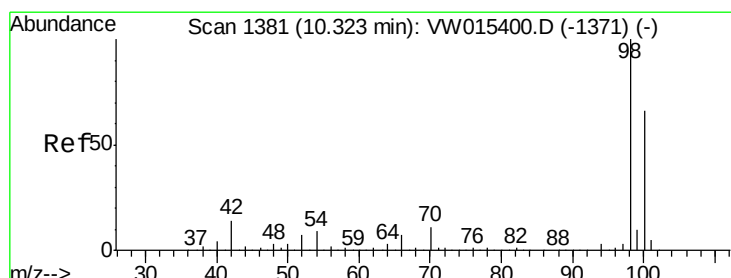
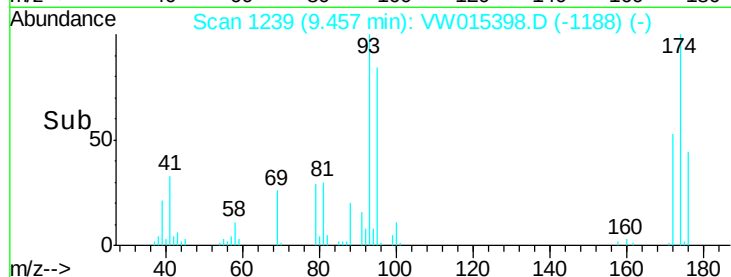
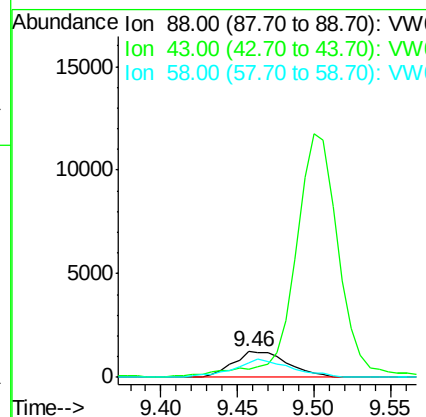
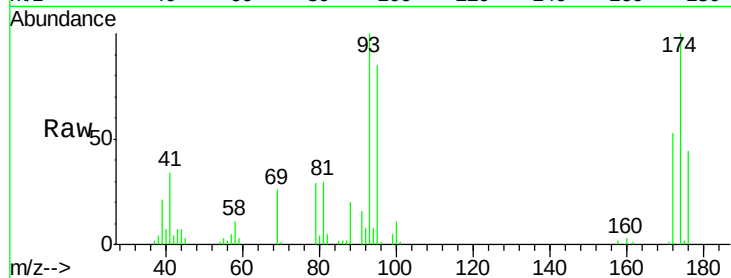
#49
1,4-Dioxane
Concen: 193.843 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.6	45.8#
58	72.9	56.3	84.5

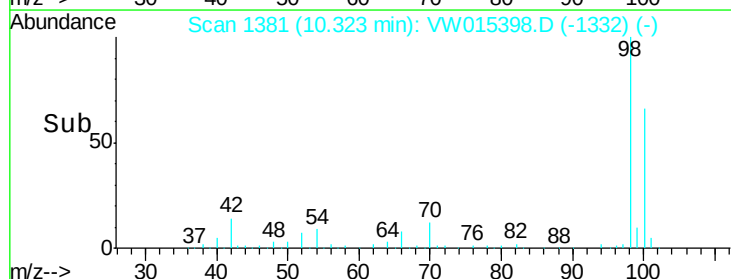
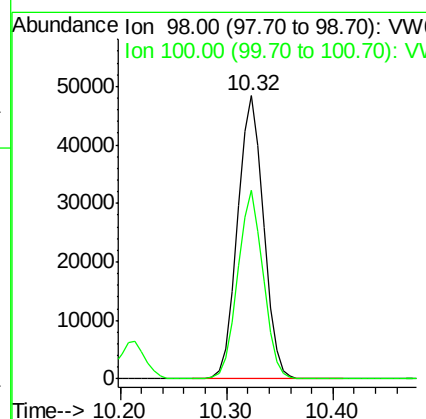
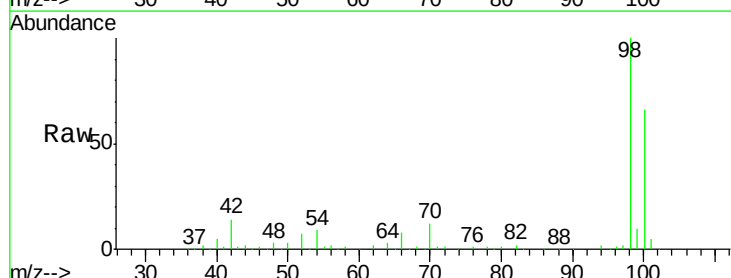
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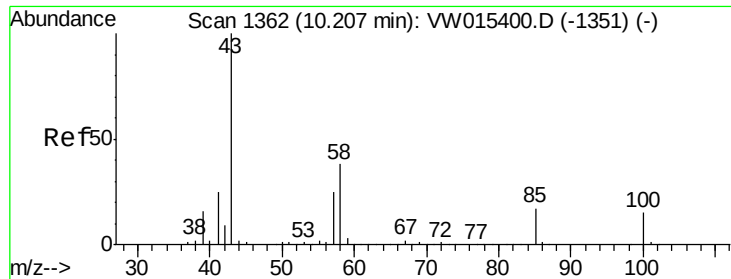
MMDadoda
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#50
Toluene-d8
Concen: 9.731 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1





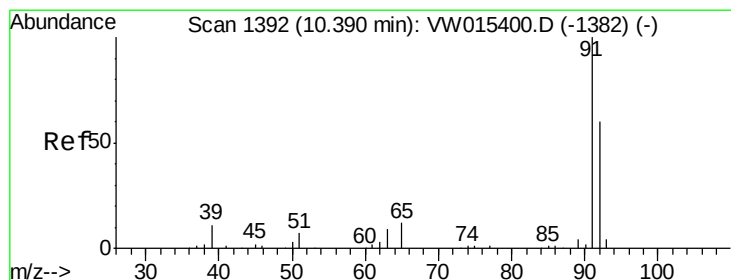
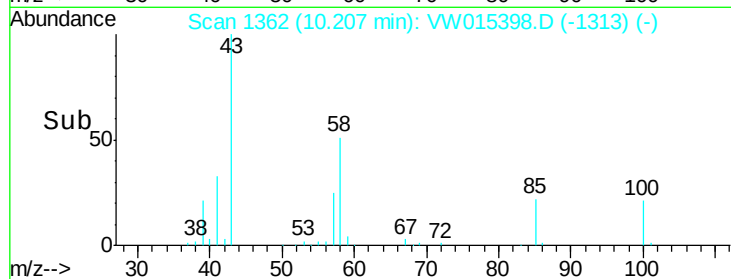
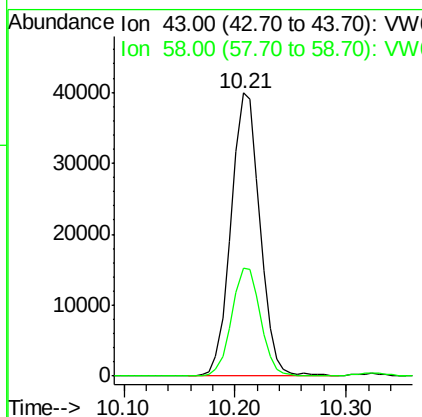
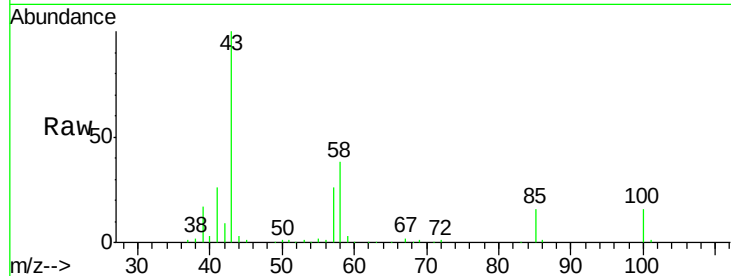
#51
4-Methyl-2-Pentanone
Concen: 63.842 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.8	46.2

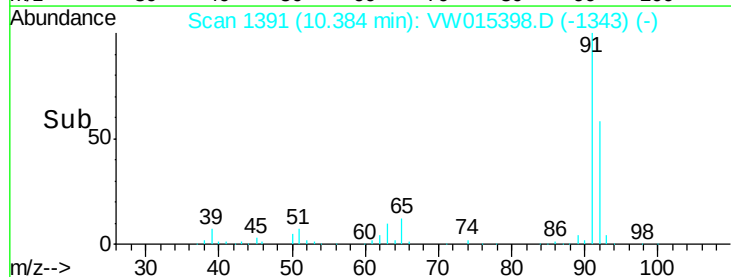
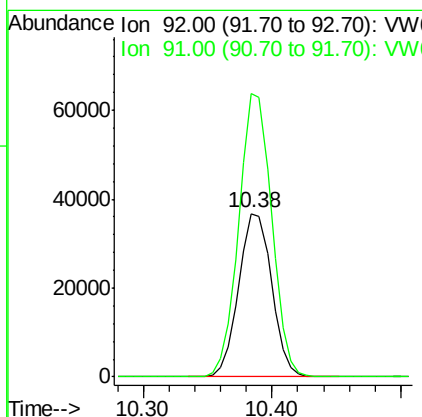
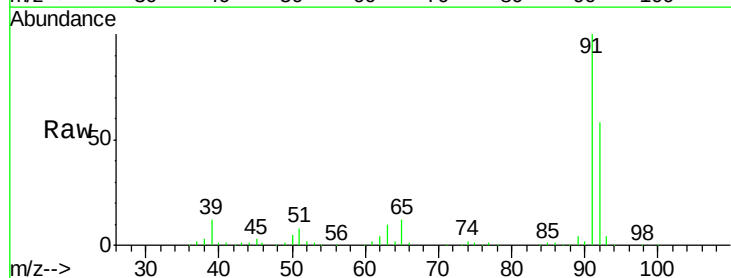
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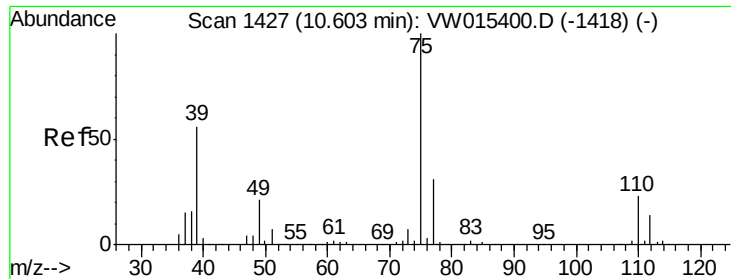
MMDadoda
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#52
Toluene
Concen: 10.469 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	135.9	203.9





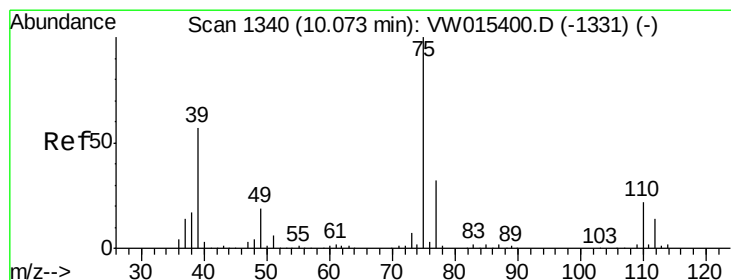
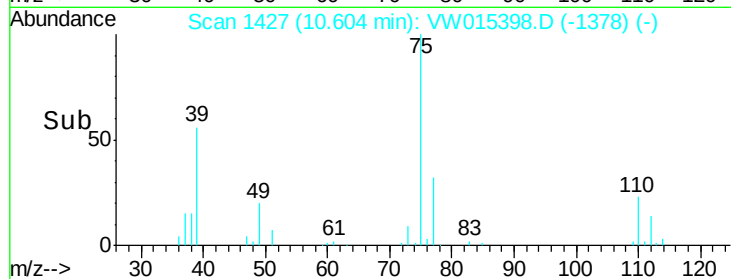
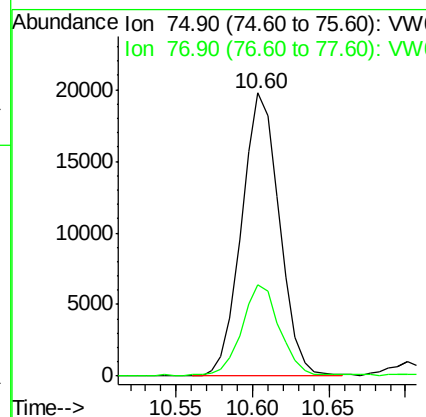
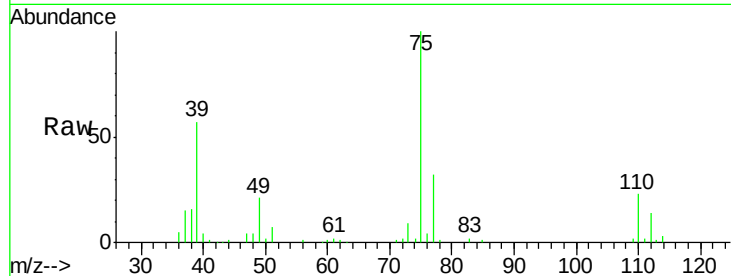
#53
 t-1,3-Dichloropropene
 Concen: 10.644 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 75 Resp: 33919
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3

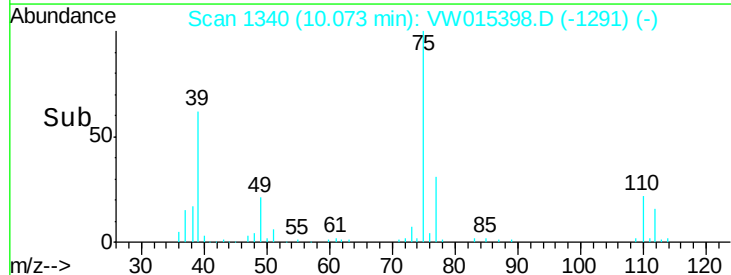
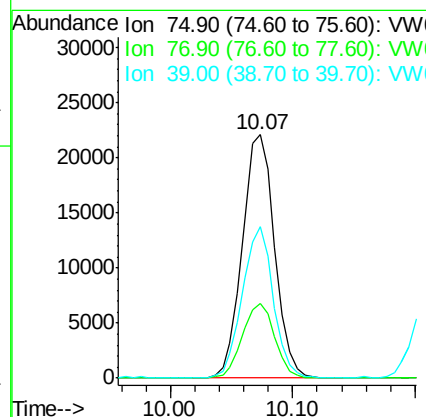
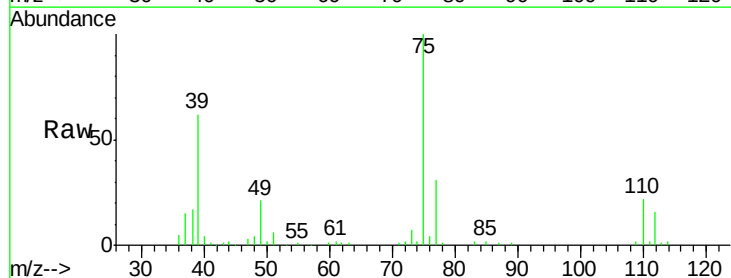
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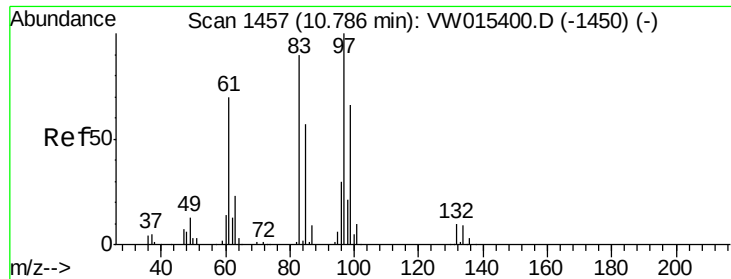
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#54
 cis-1,3-Dichloropropene
 Concen: 10.863 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion: 75 Resp: 40351
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4
 39 62.3 45.6 68.4





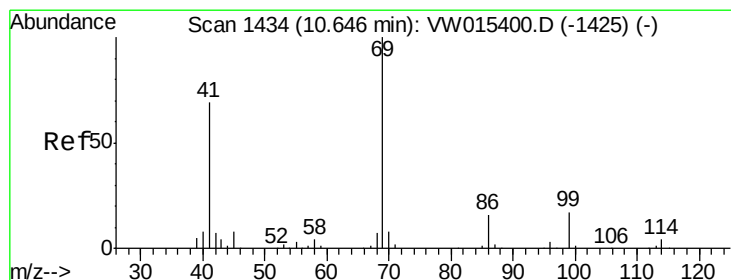
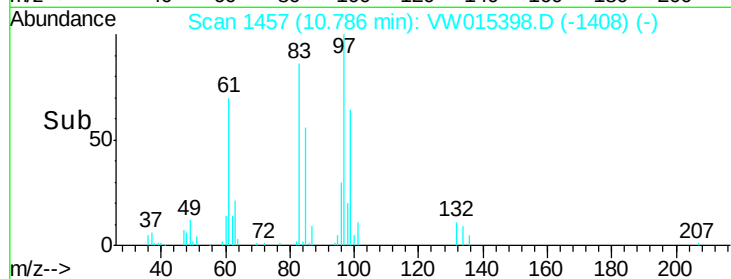
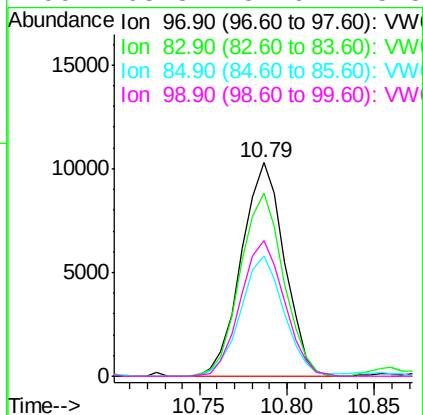
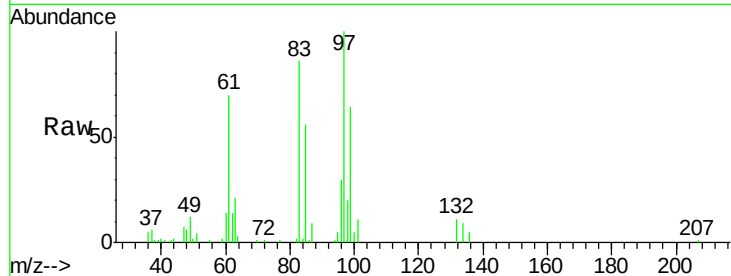
#55
 1,1,2-Trichloroethane
 Concen: 10.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	17601
Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.2	108.4
85	56.4	45.2	67.8
99	63.8	52.6	78.8

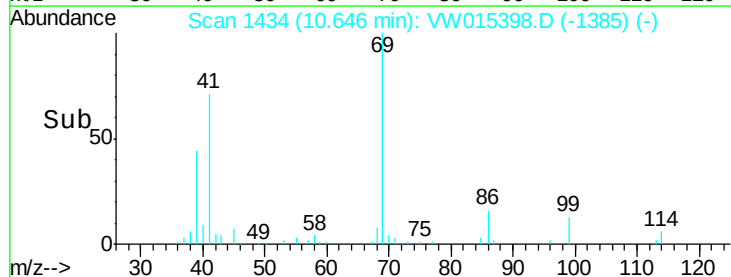
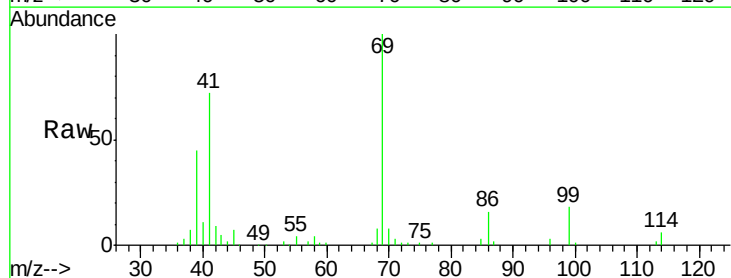
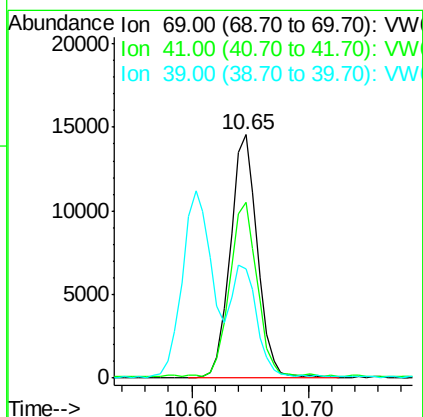
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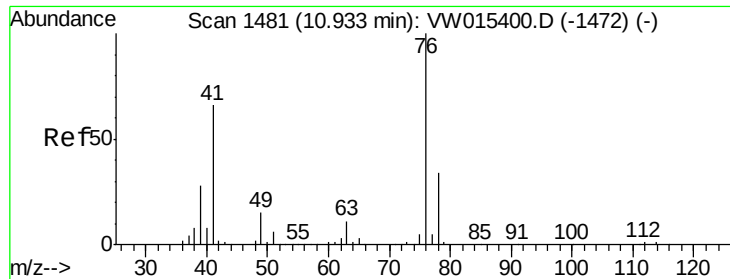
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#56
 Ethyl methacrylate
 Concen: 10.775 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion:	69	Resp:	23612
Ion	Ratio	Lower	Upper
69	100		
41	72.4	55.3	82.9
39	45.7	31.9	47.9





#57

1,3-Dichloropropane

Concen: 11.424 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 32203

Ion Ratio Lower Upper

76 100

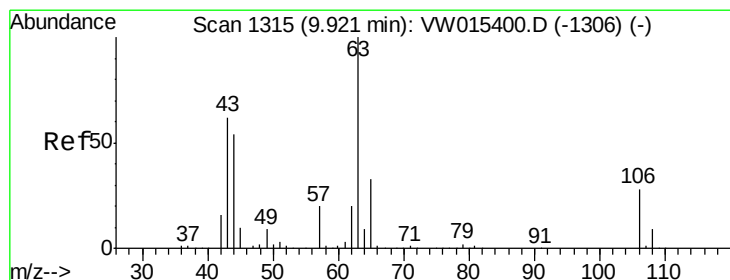
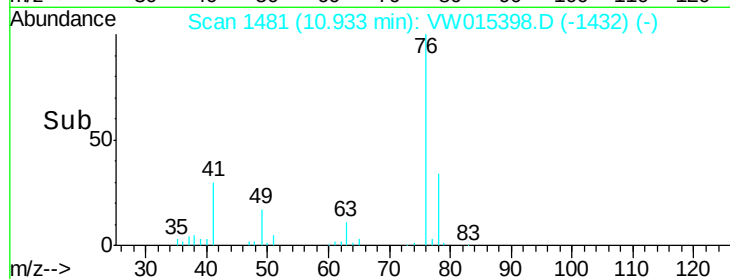
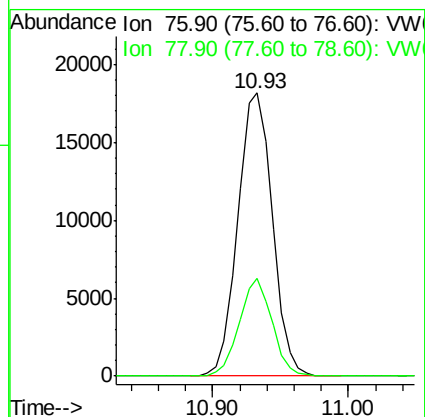
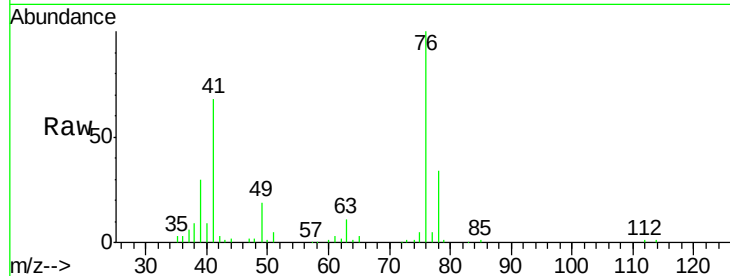
78 32.8 26.3 39.5

Manual Integrations

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MMDadoda

5/6/2020 12:11:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 57.681 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015398.D

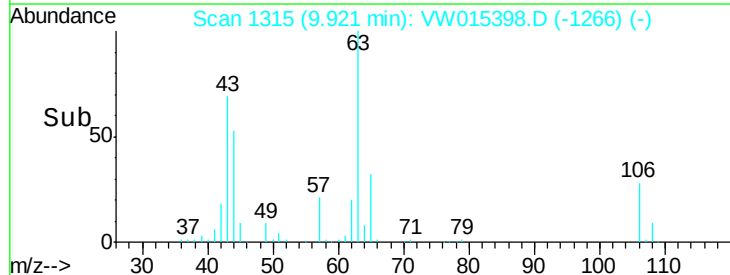
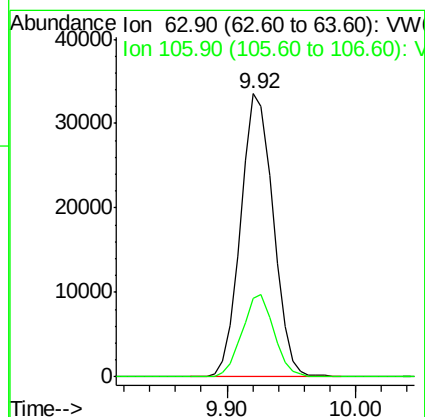
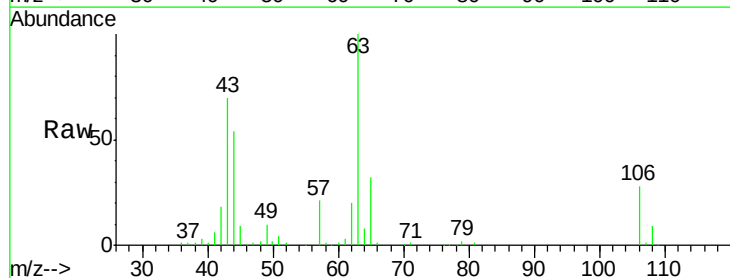
Acq: 05 May 2020 16:40

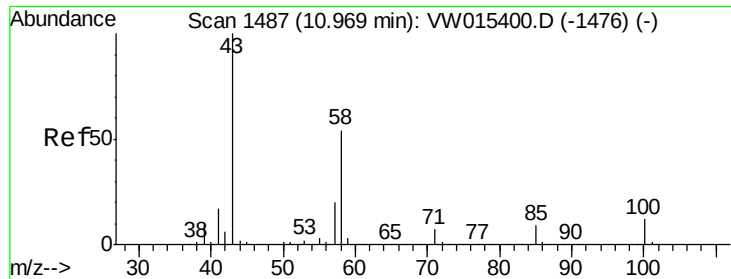
Tgt Ion: 63 Resp: 58823

Ion Ratio Lower Upper

63 100

106 28.2 22.6 33.8





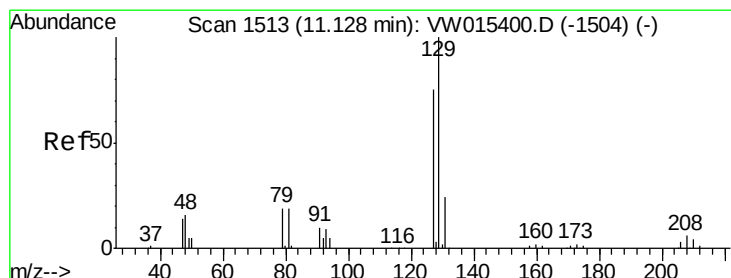
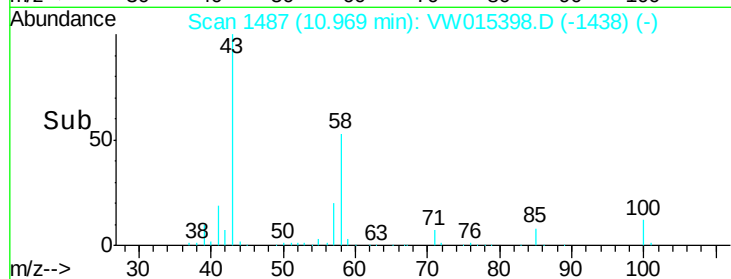
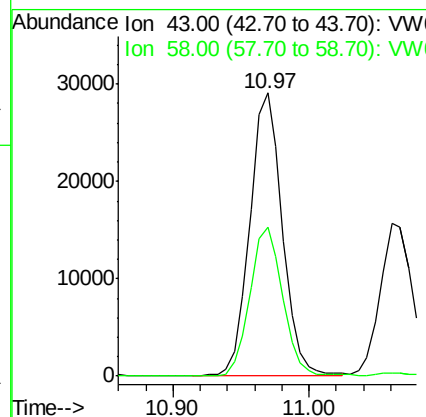
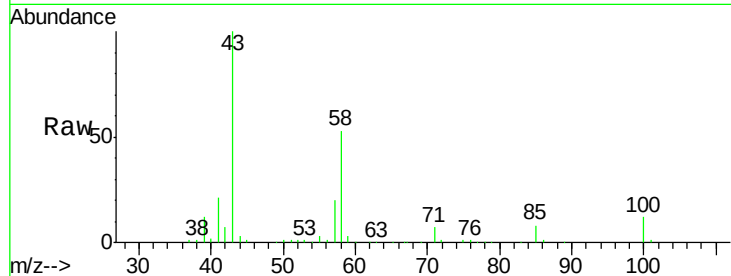
#59
2-Hexanone
Concen: 61.345 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 48418
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.0

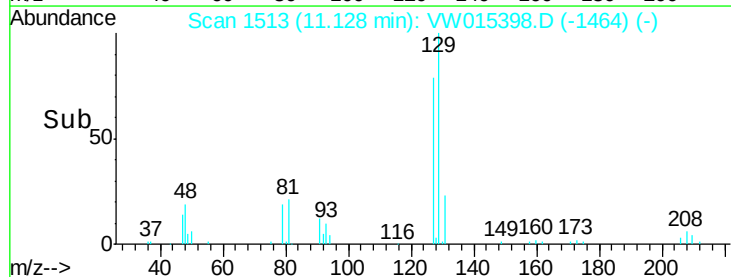
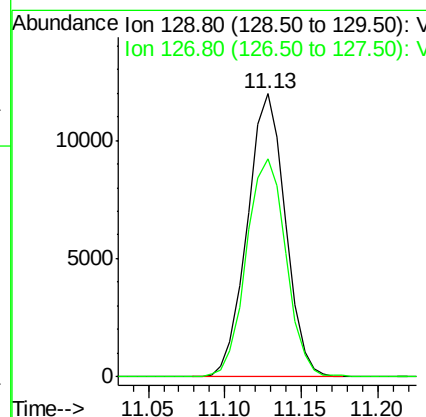
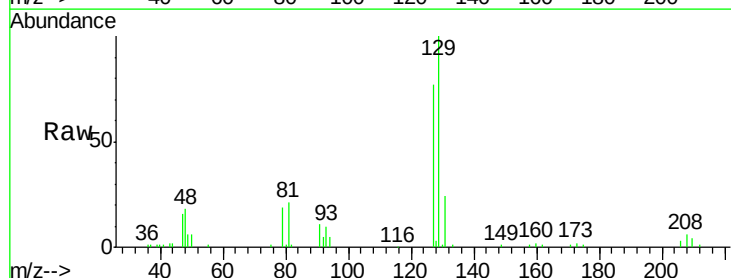
Manual Integrations
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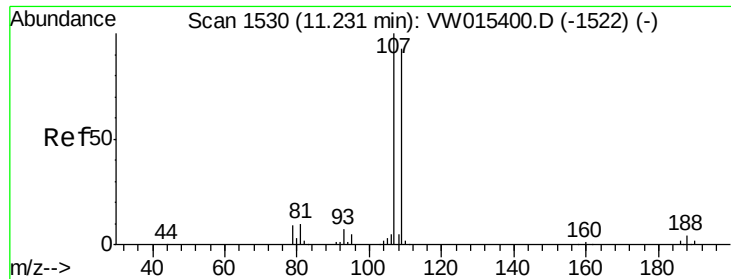
MMDadoda
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#60
Dibromochloromethane
Concen: 9.472 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 129 Resp: 20716
Ion Ratio Lower Upper
129 100
127 80.3 39.1 117.2





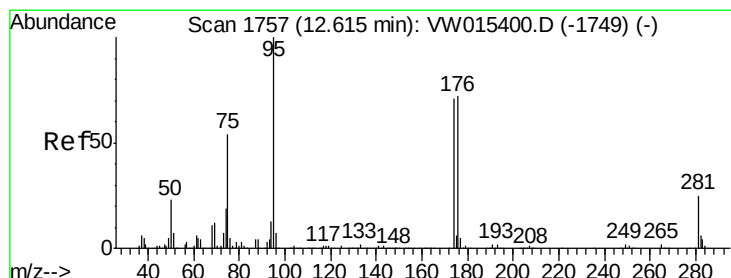
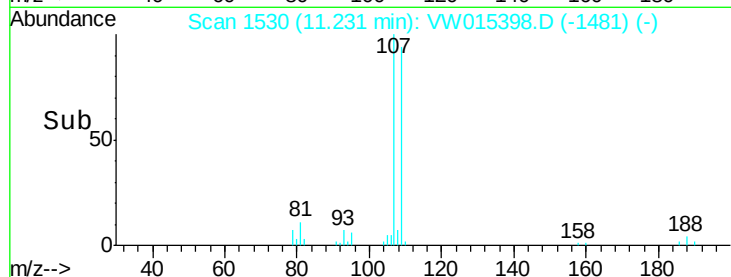
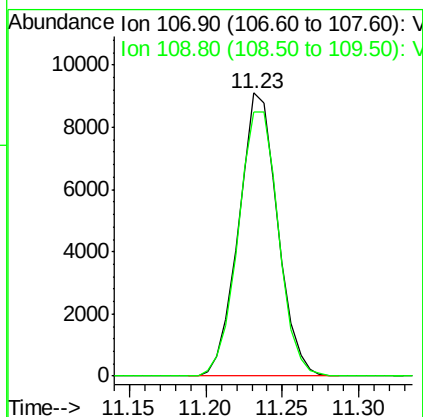
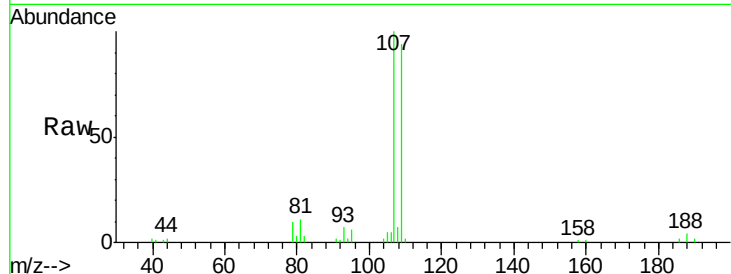
#61
1,2-Dibromoethane
Concen: 9.831 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.0	112.4

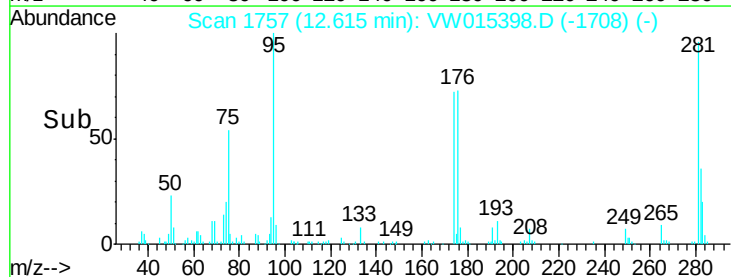
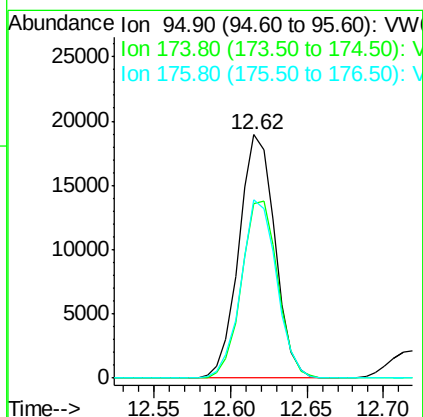
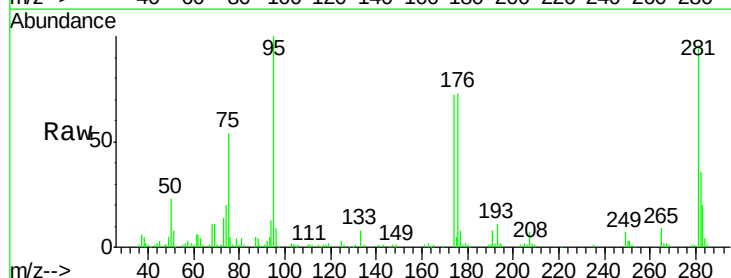
Manual Integrations
APPROVED

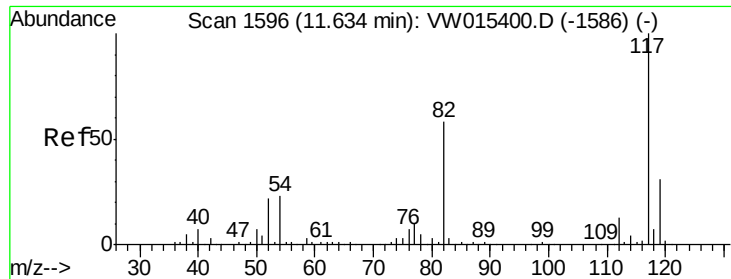
MMDadoda
5/6/2020 12:11:51 PM



#62
4-Bromofluorobenzene
Concen: 9.559 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	147.6
176	72.2	0.0	144.4





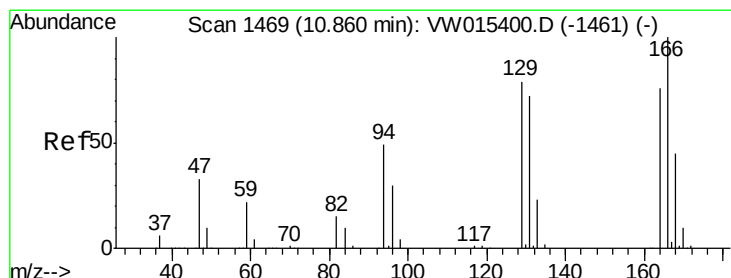
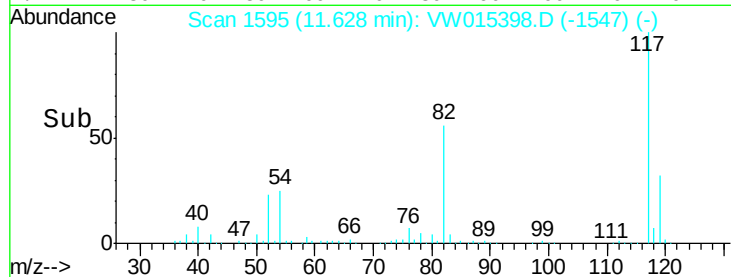
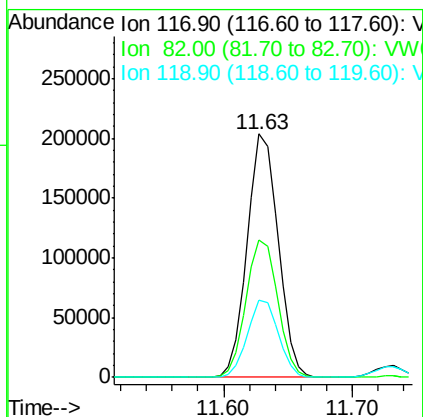
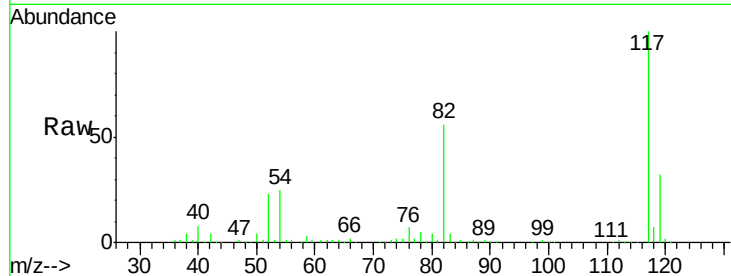
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.4	69.6
119	31.7	24.6	37.0

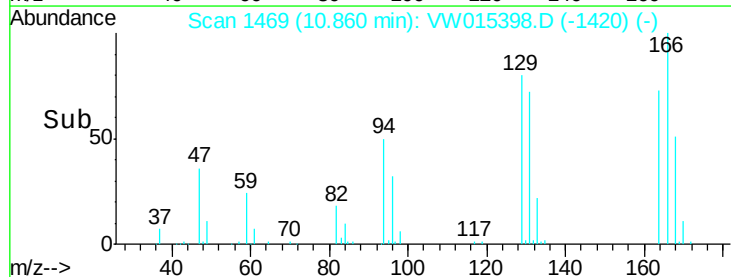
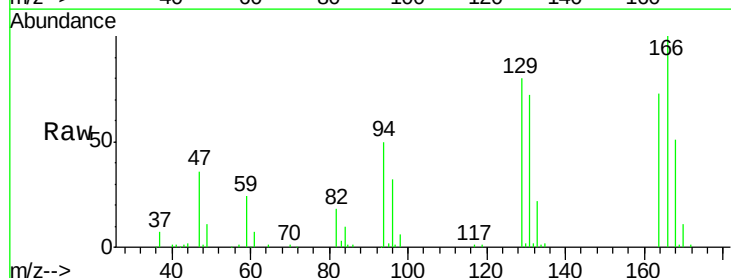
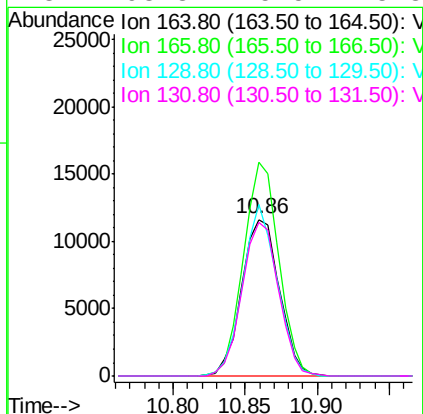
Manual Integrations
APPROVED

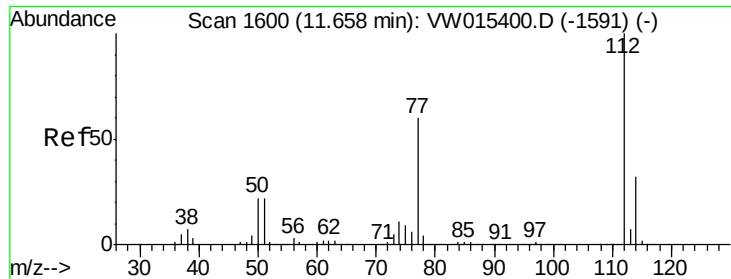
MMDadoda
5/6/2020 12:11:51 PM



#64
Tetrachloroethene
Concen: 8.860 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.4	104.9	157.3
129	109.2	82.7	124.1
131	98.3	75.5	113.3





#65

Chlorobenzene

Concen: 10.466 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 69952

Ion Ratio Lower Upper

112 100

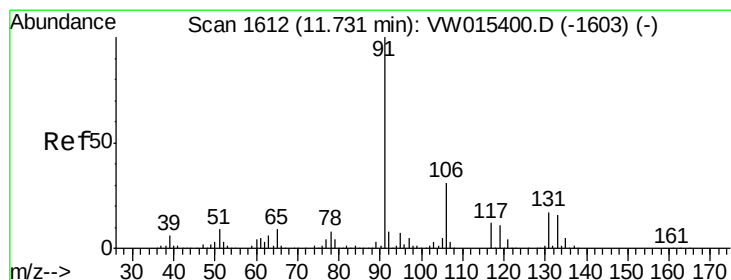
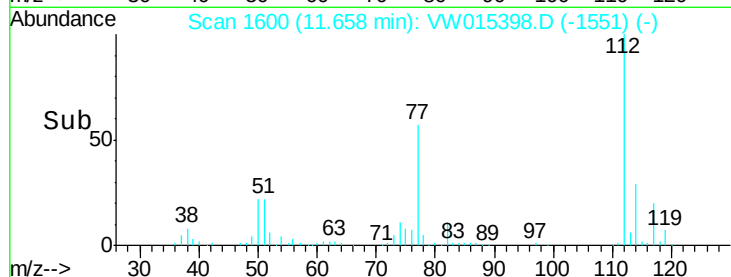
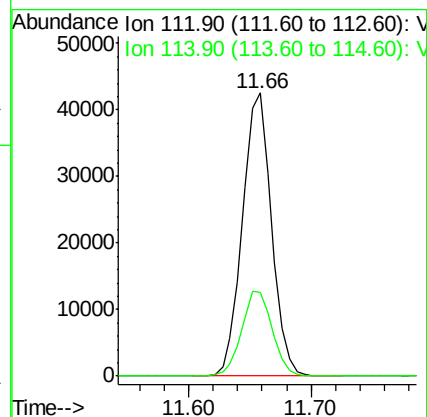
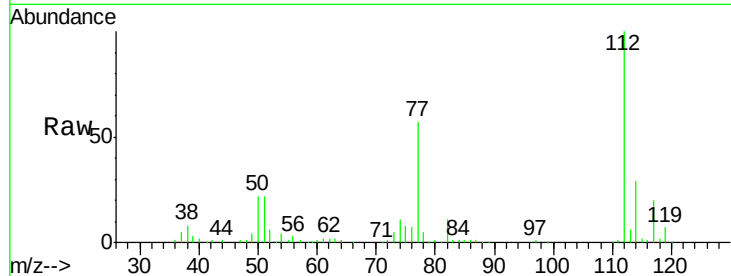
114 29.5 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.120 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

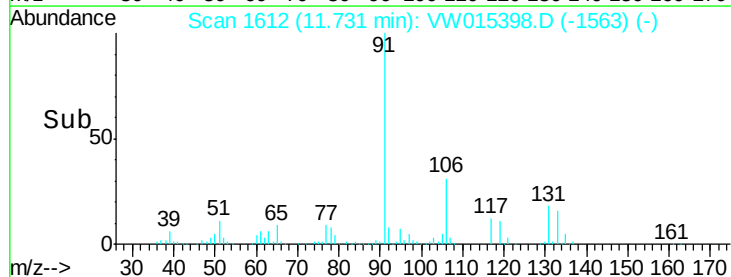
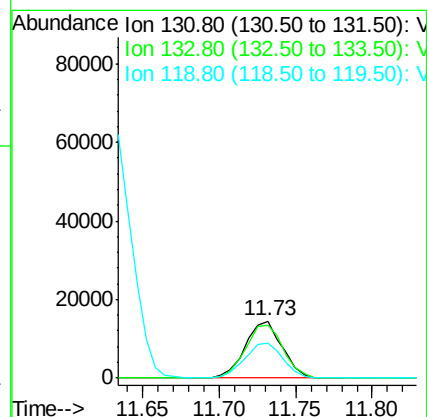
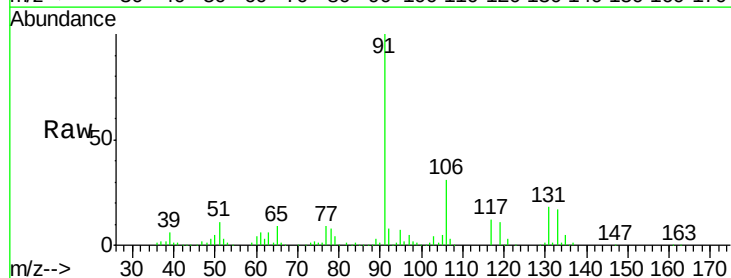
Tgt Ion:131 Resp: 24271

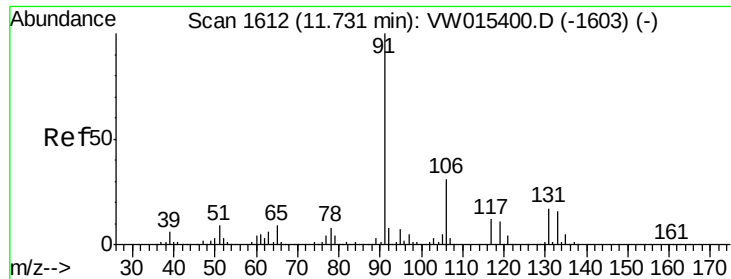
Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.8

119 64.8 33.0 99.0





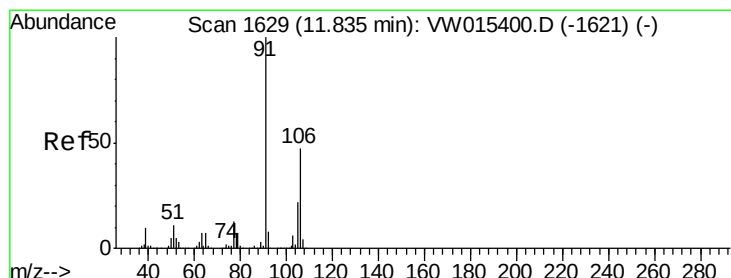
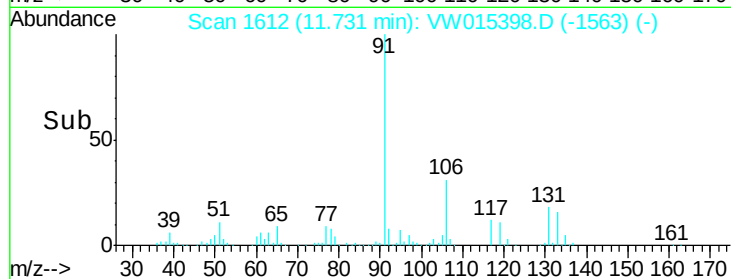
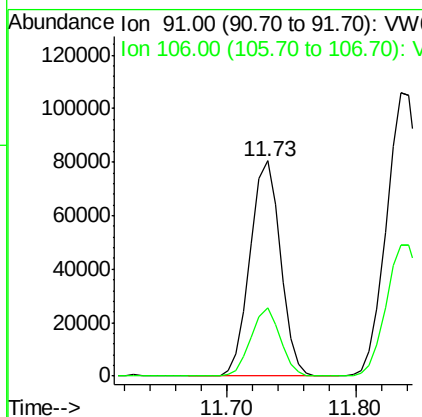
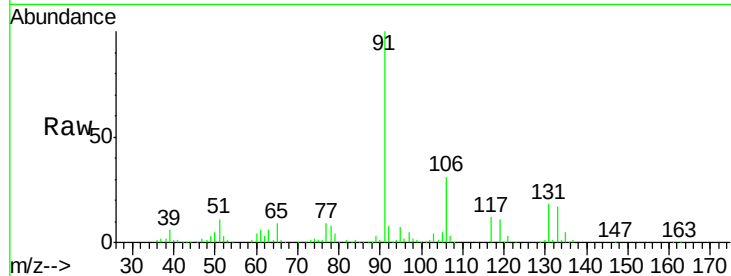
#67
Ethyl Benzene
Concen: 10.493 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	91	Resp	131307
Ion Ratio	100	Lower	Upper
106	31.5	25.2	37.8

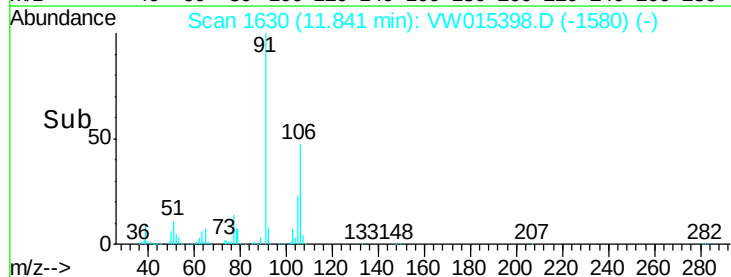
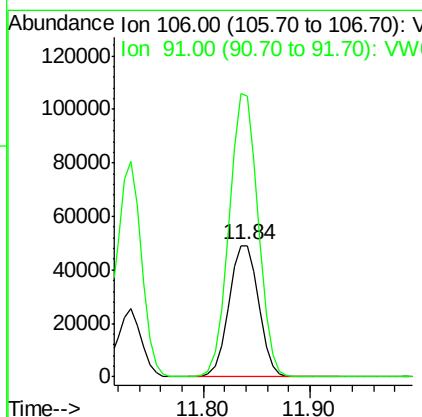
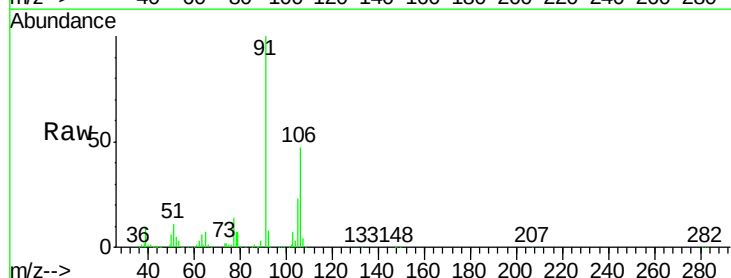
Manual Integrations
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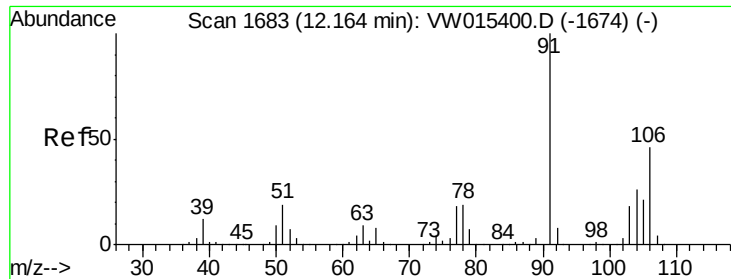
MMDadoda
5/6/2020 12:11:51 PM



#68
m/p-Xylenes
Concen: 19.867 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	106	Resp	96439
Ion Ratio	100	Lower	Upper
91	209.6	165.7	248.5





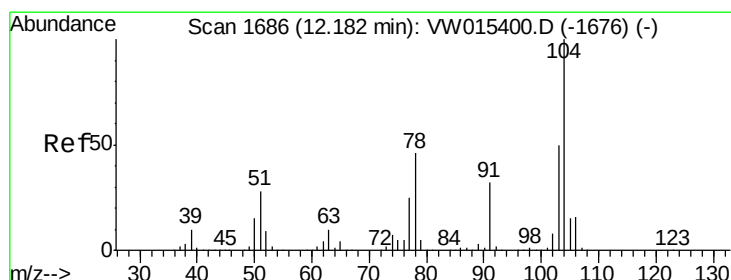
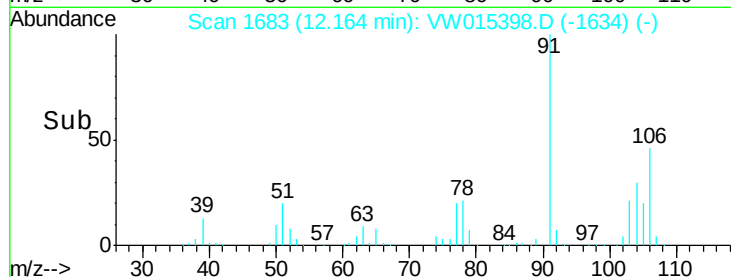
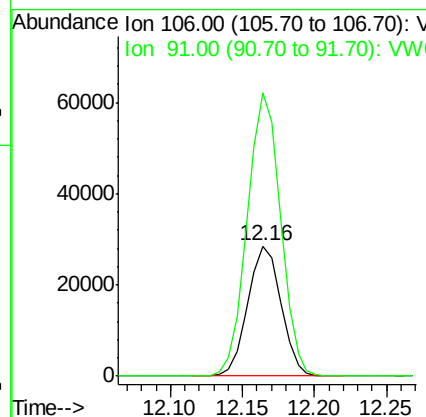
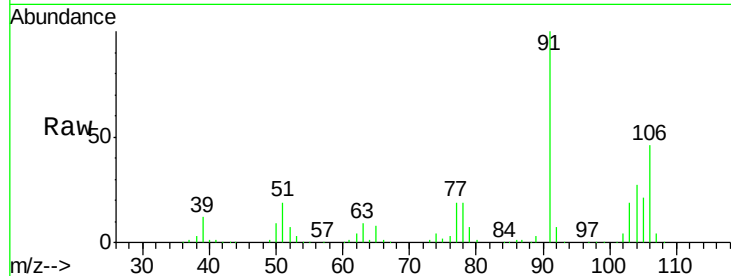
#69
o-Xylene
Concen: 10.004 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 45491
Ion Ratio Lower Upper
106 100
91 219.5 109.0 327.0

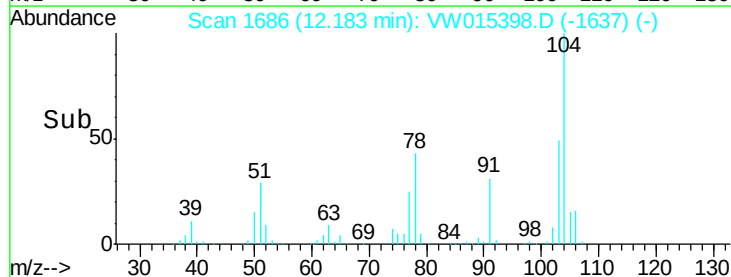
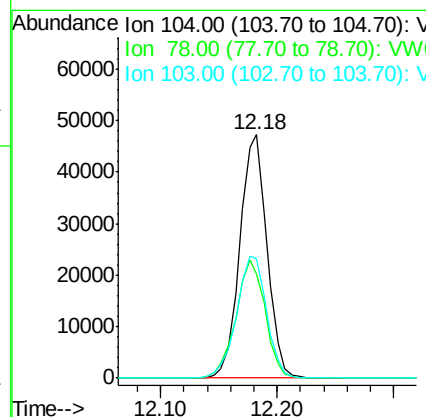
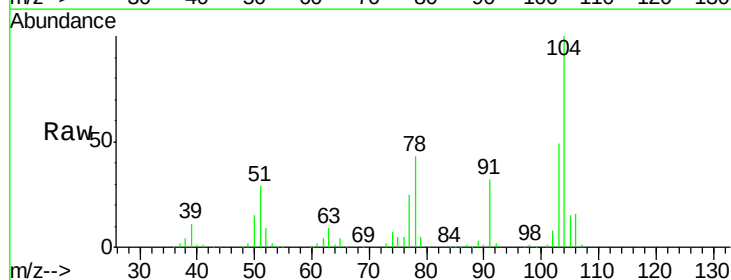
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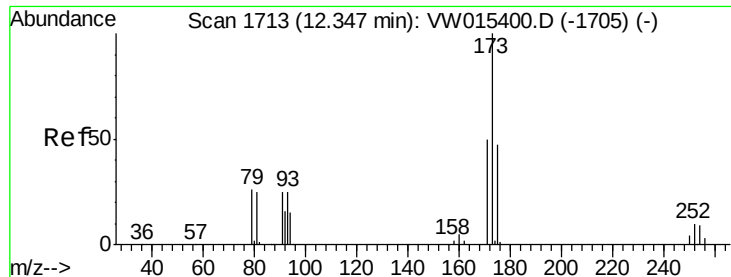
MMDadoda
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#70
Styrene
Concen: 9.867 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:104 Resp: 76595
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.5 43.6 65.4





#71

Bromoform

Concen: 8.646 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

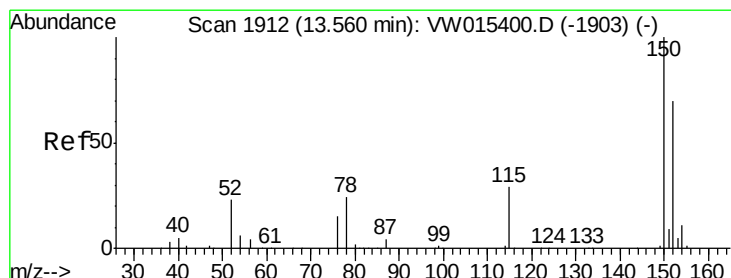
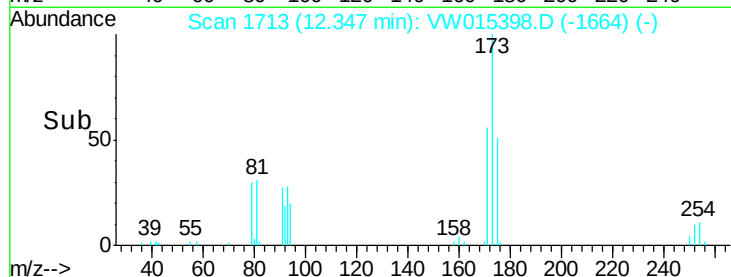
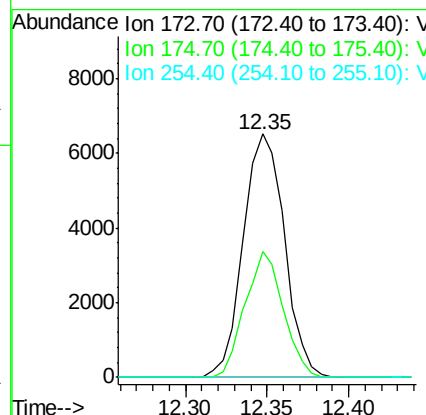
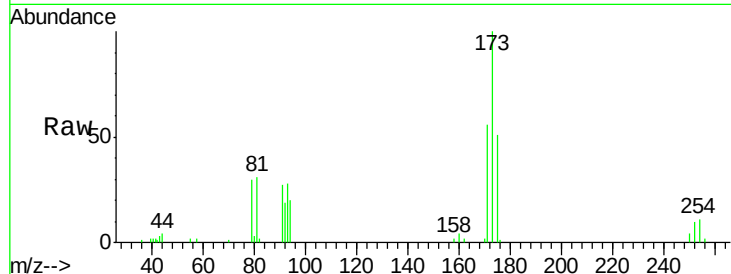
ClientSampled :

VSTDIC010

Tot Ion:	173	Resp:	11501
Ion Ratio	Lower	Upper	
173	100		
175	48.0	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

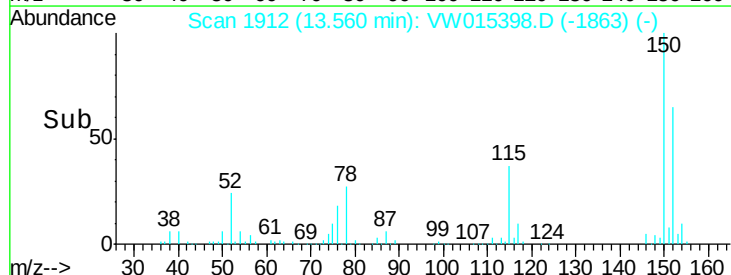
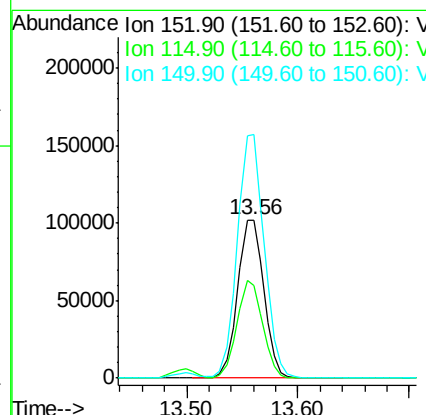
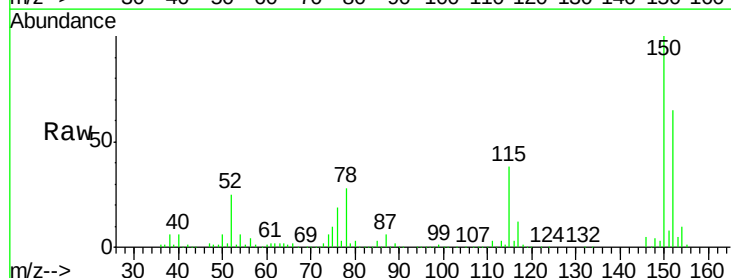
RT: 13.56 min Scan# 1912

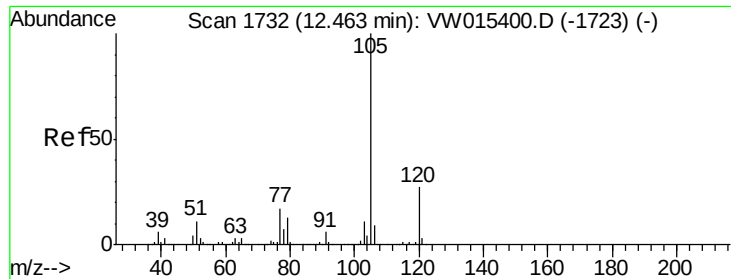
Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion:	152	Resp:	166178
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.3	90.8
150	157.8	0.0	344.4





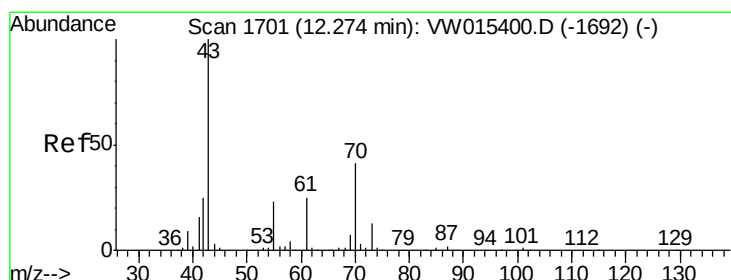
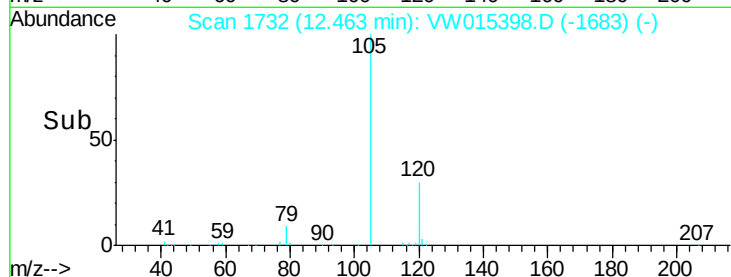
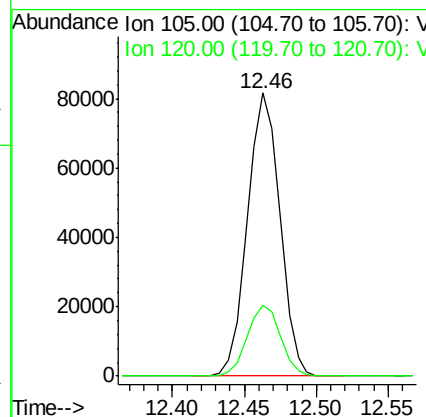
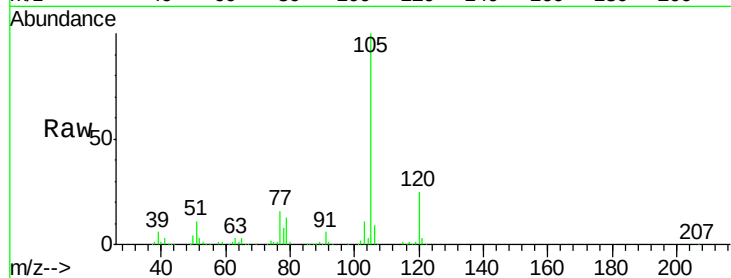
#73
Isopropylbenzene
Concen: 10.798 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.3

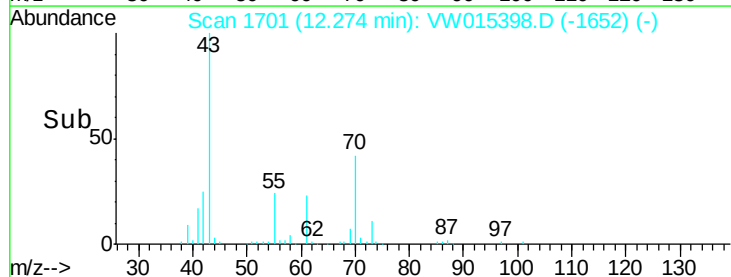
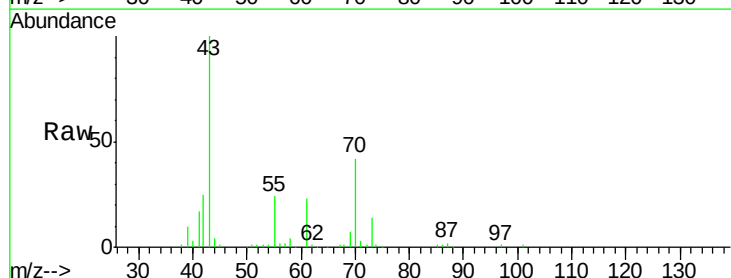
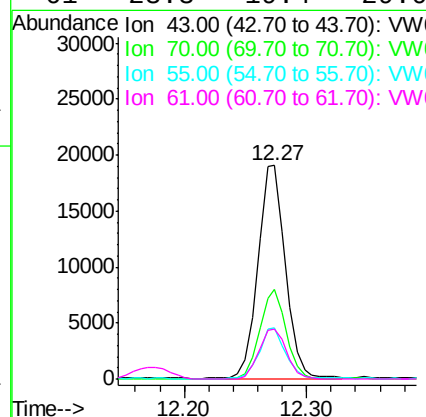
Manual Integrations
APPROVED

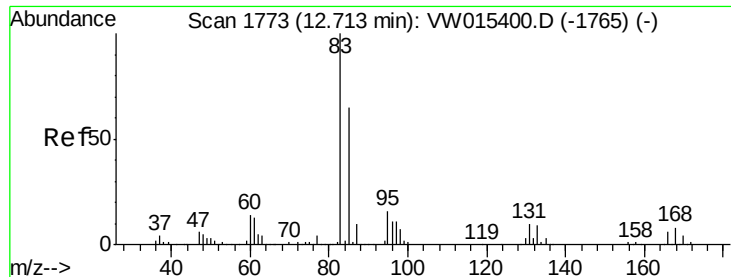
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5/6/2020 12:11:51 PM



#74
N-ethyl acetate
Concen: 14.007 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.0	33.4	50.0
55	23.3	18.9	28.3
61	23.3	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.873 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

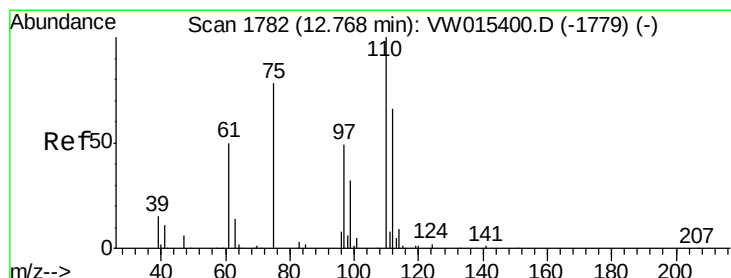
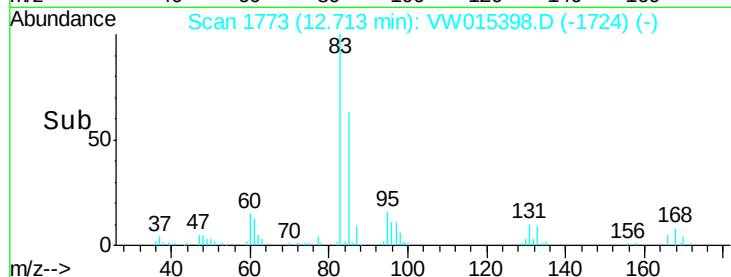
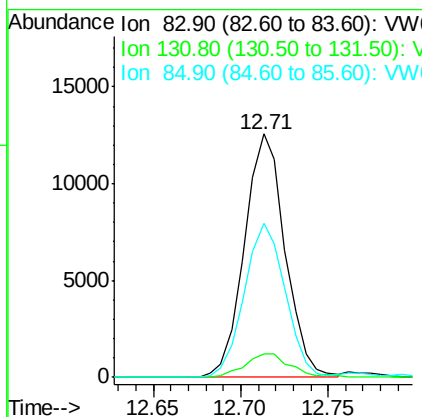
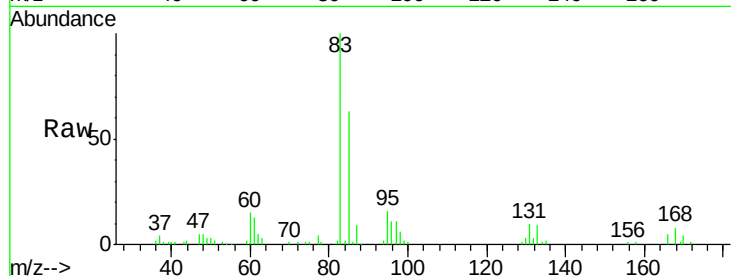
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	20279
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	63.7	32.2	96.6

Manual Integrations
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5/6/2020 12:11:51 PM



#76

1,2,3-Trichloropropane

Concen: 10.407 ug/l m

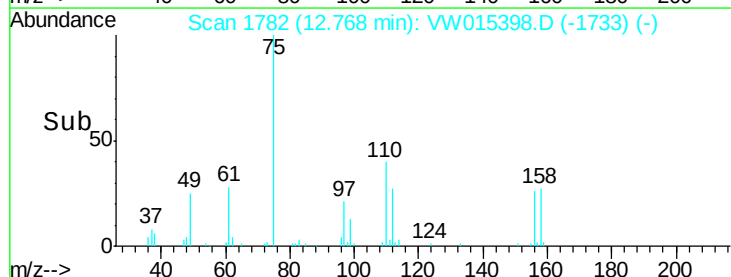
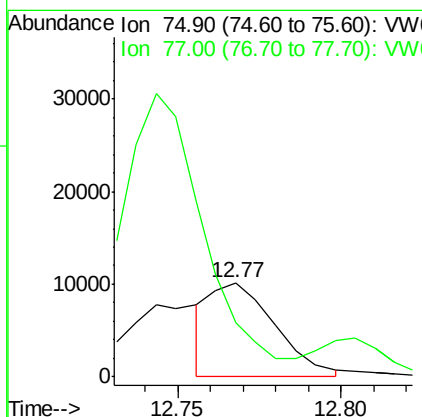
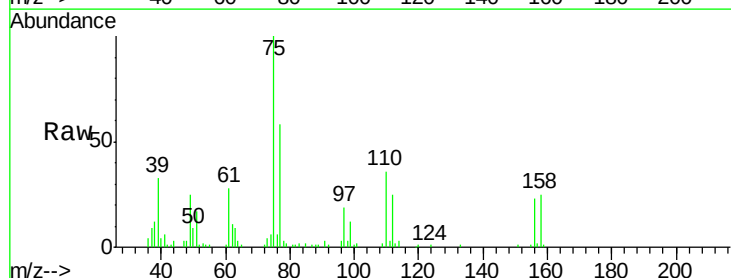
RT: 12.77 min Scan# 1782

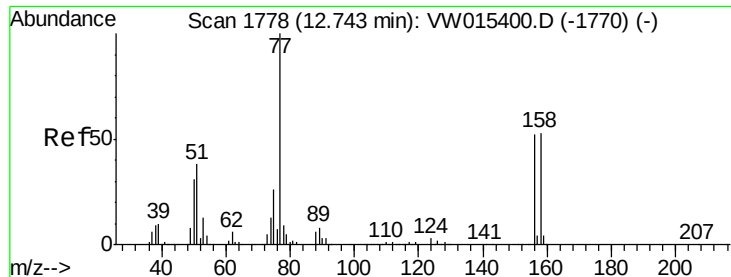
Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion:	75	Resp:	13999
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.254 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:156 Resp: 27200

Ion Ratio Lower Upper

156 100

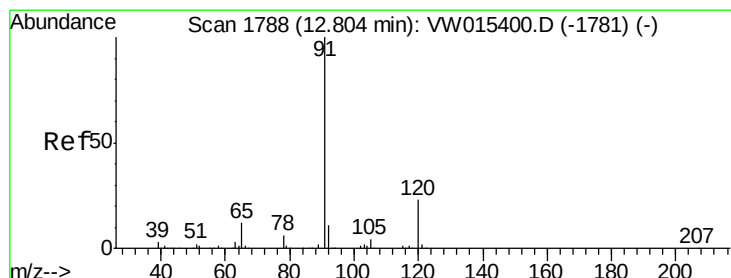
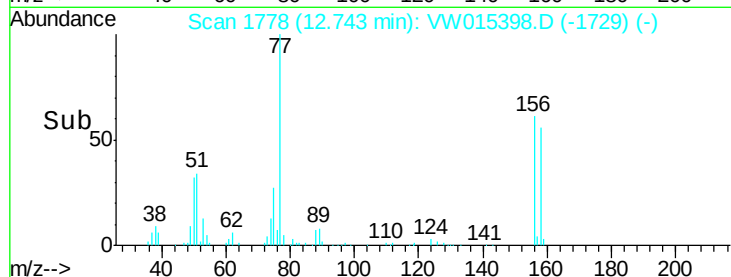
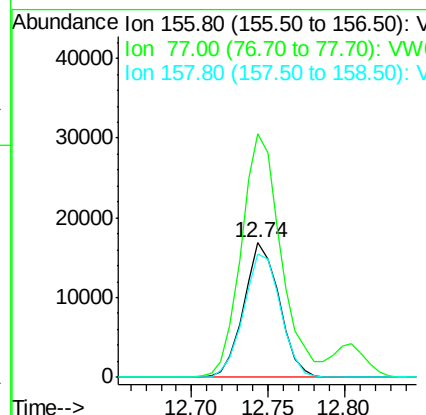
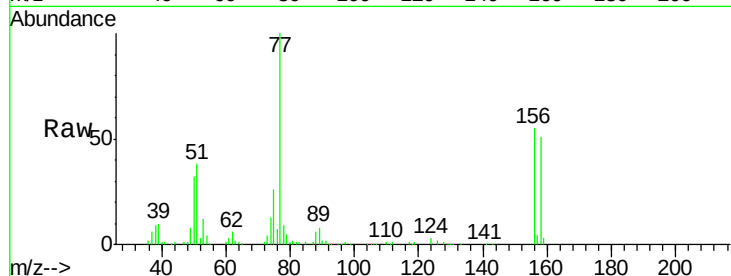
77 203.3 101.8 305.6

158 95.8 48.3 144.8

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#78

n-propylbenzene

Concen: 11.083 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015398.D

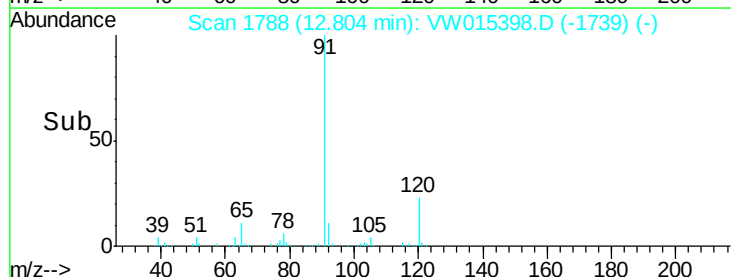
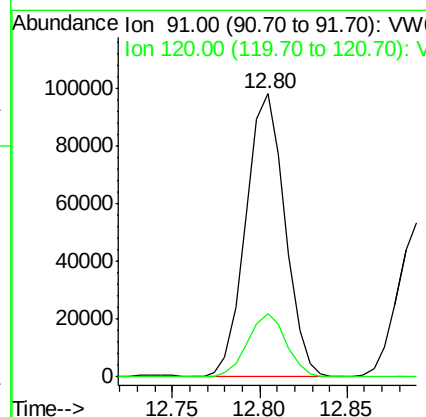
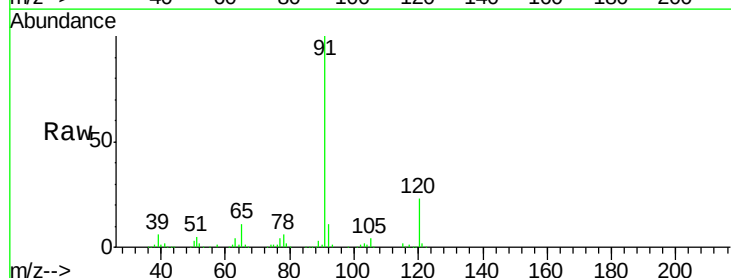
Acq: 05 May 2020 16:40

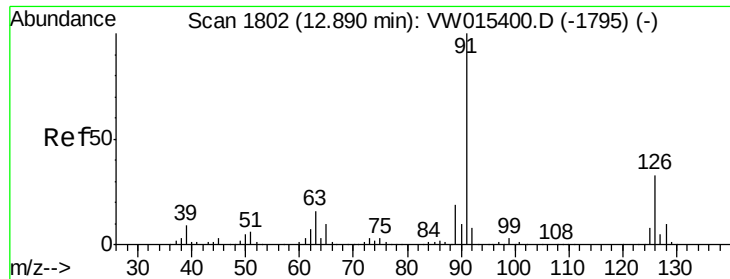
Tgt Ion: 91 Resp: 152476

Ion Ratio Lower Upper

91 100

120 22.1 11.2 33.6





#79

2-Chlorotoluene

Concen: 11.049 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 85655

Ion Ratio Lower Upper

91 100

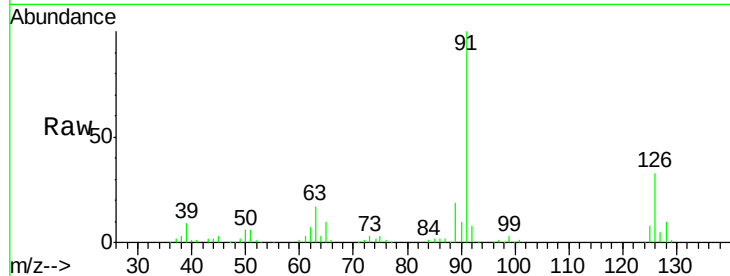
126 32.6 16.1 48.2

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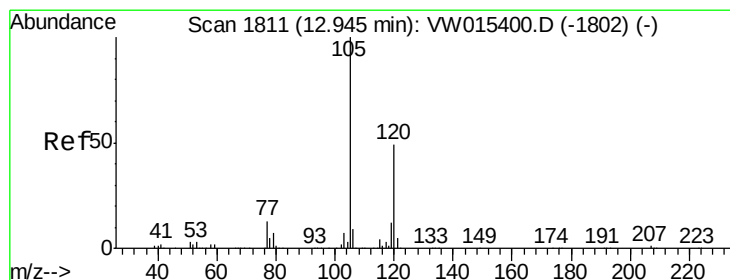
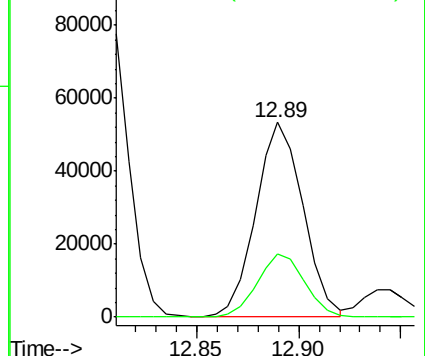
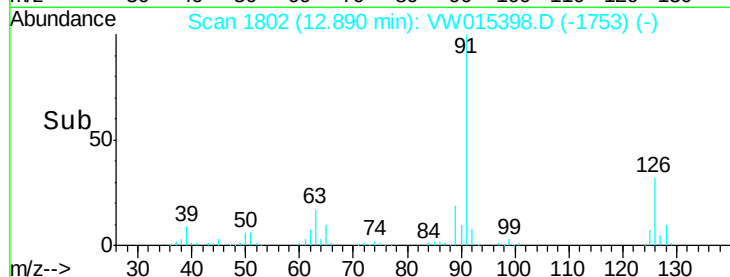
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 10.587 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015398.D

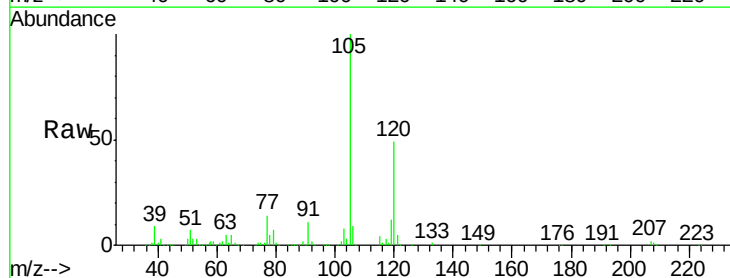
Acq: 05 May 2020 16:40

Tgt Ion: 105 Resp: 106872

Ion Ratio Lower Upper

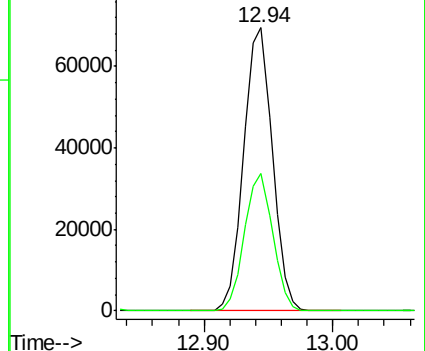
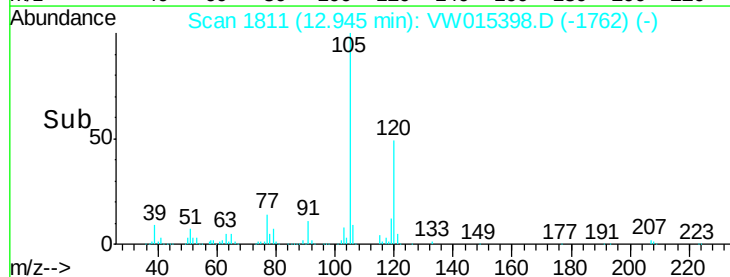
105 100

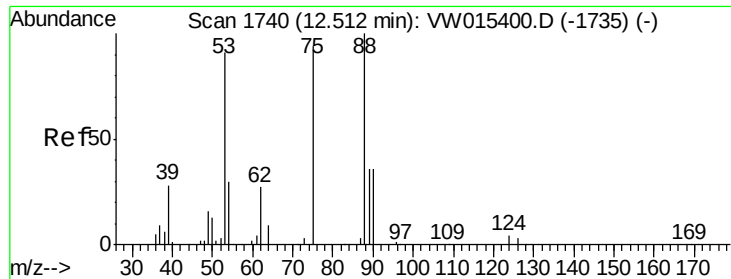
120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





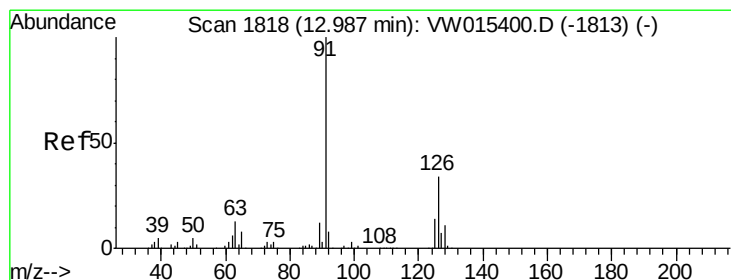
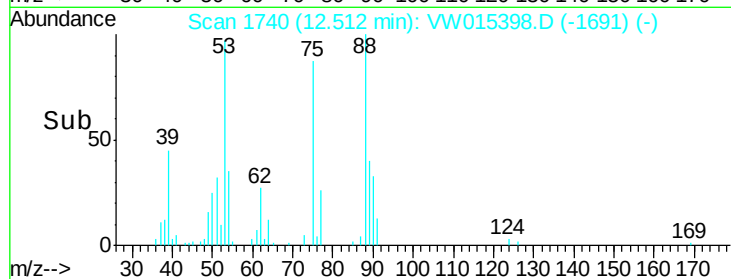
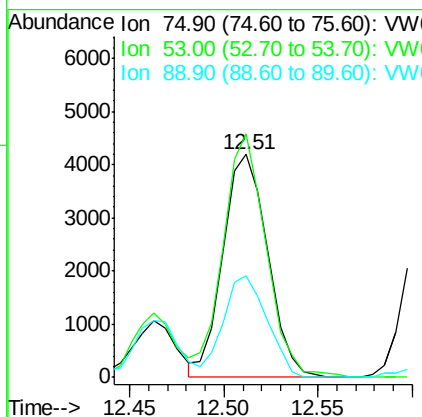
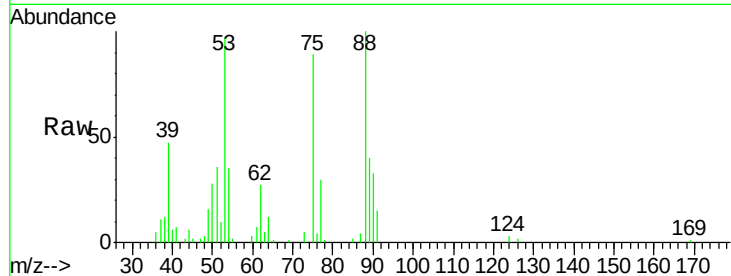
#81
trans-1,4-Dichloro-2-butene
Concen: 11.338 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	82.5	123.7
89	44.3	35.8	53.8

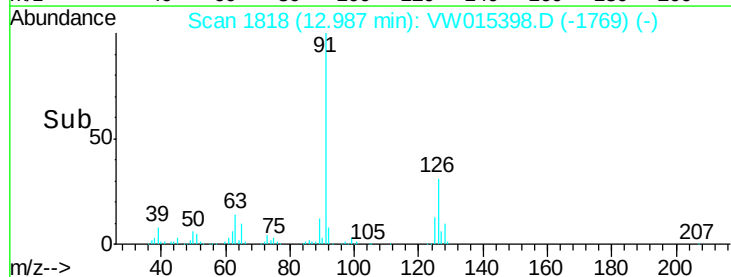
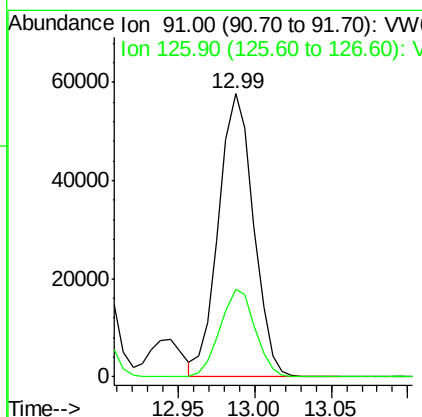
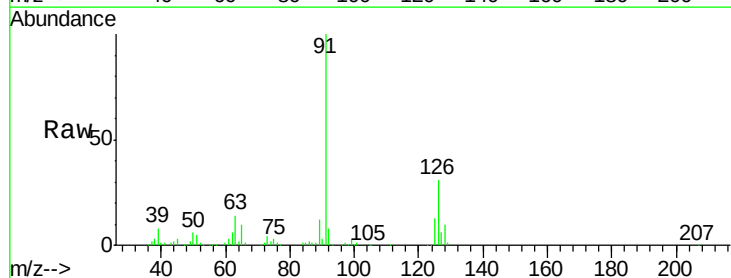
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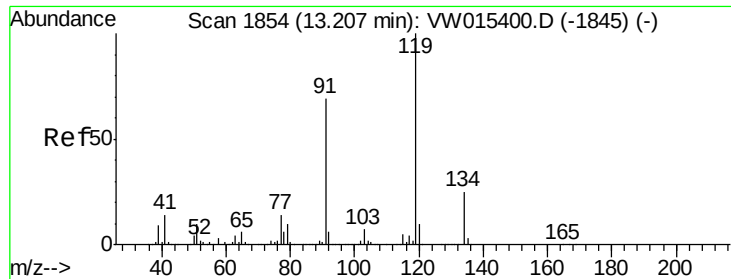
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#82
4-Chlorotoluene
Concen: 11.100 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.0	47.9





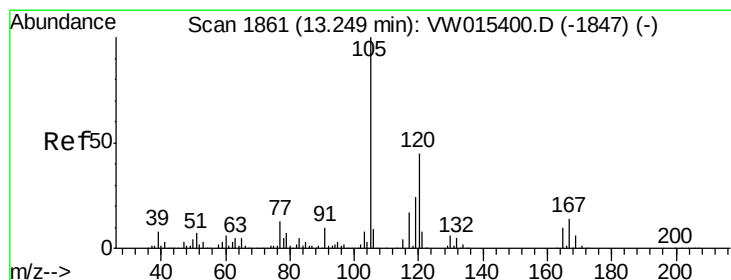
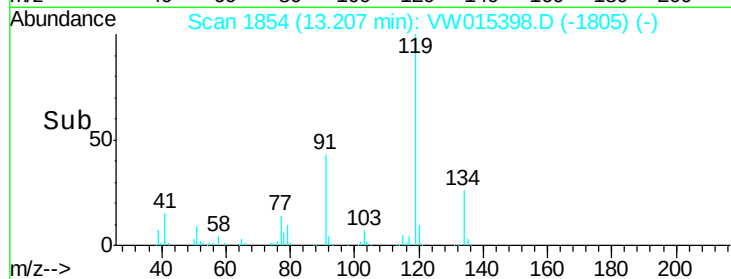
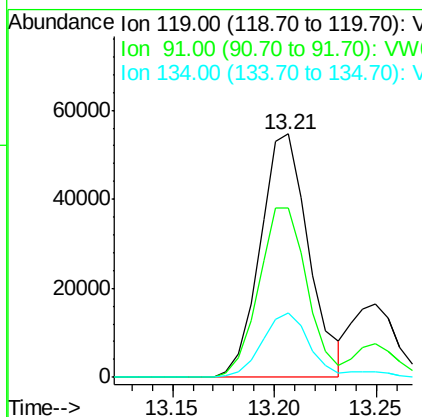
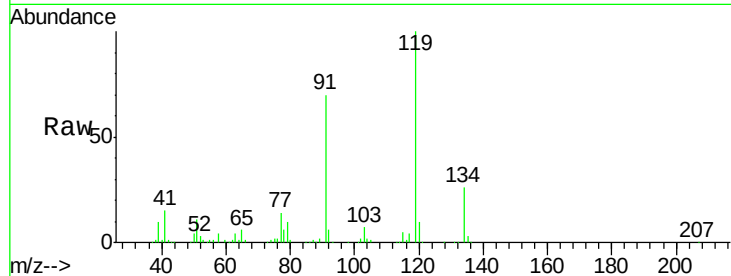
#83
 tert-Butylbenzene
 Concen: 10.305 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	33.8	101.4
134	27.3	12.3	36.9

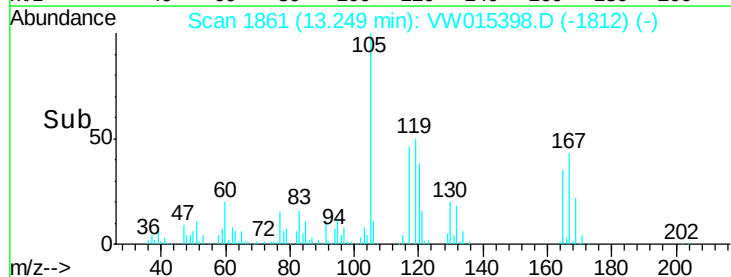
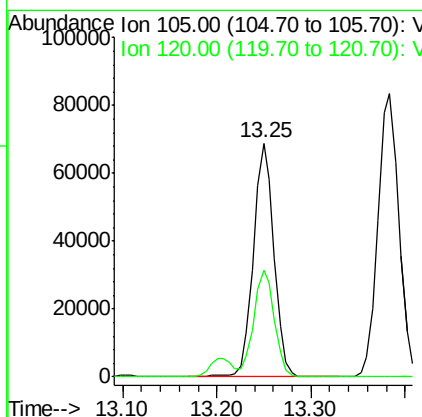
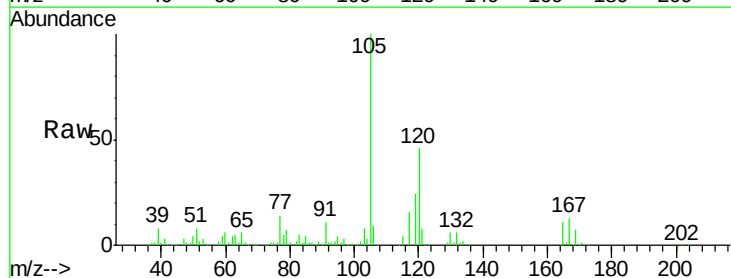
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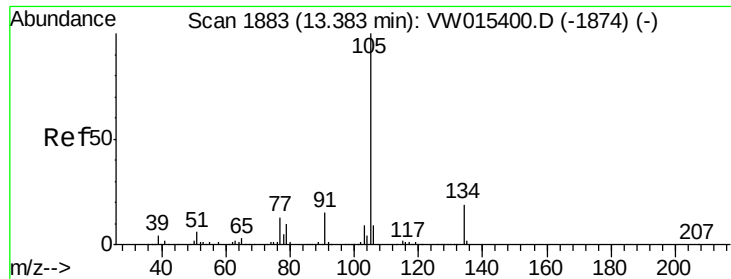
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.629 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.0	66.0





#85

sec-Butylbenzene

Concen: 10.547 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 128652

Ion Ratio Lower Upper

105 100

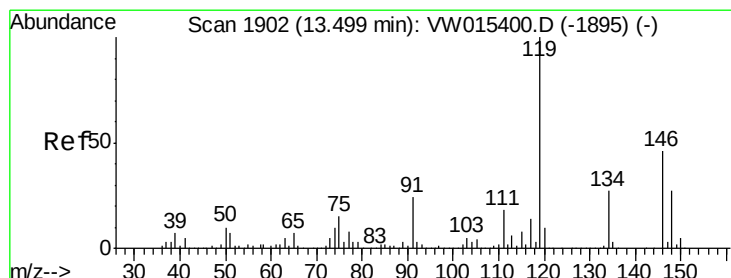
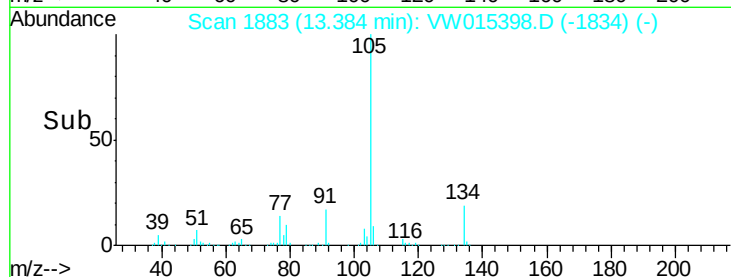
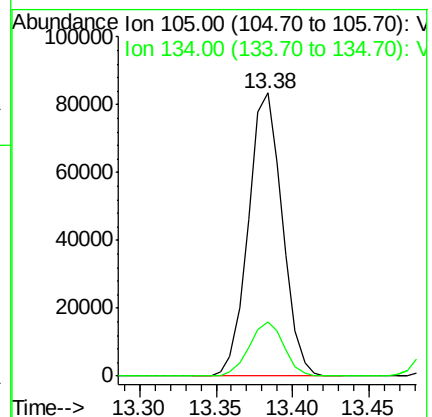
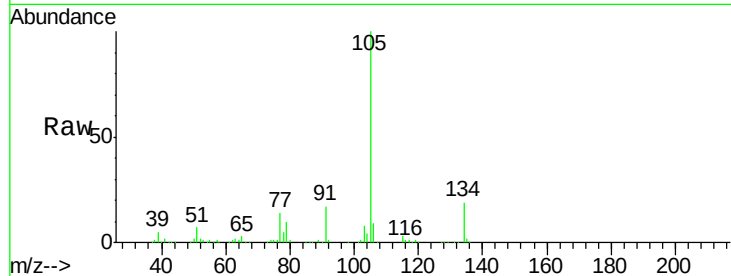
134 19.5 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 10.304 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

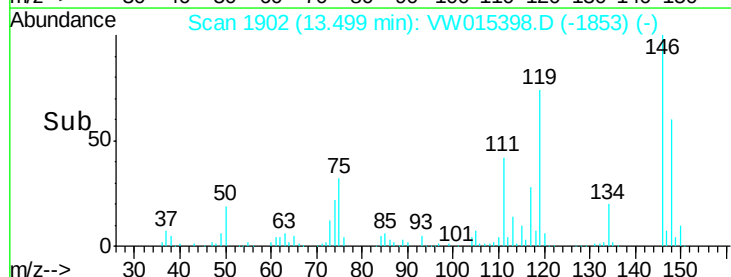
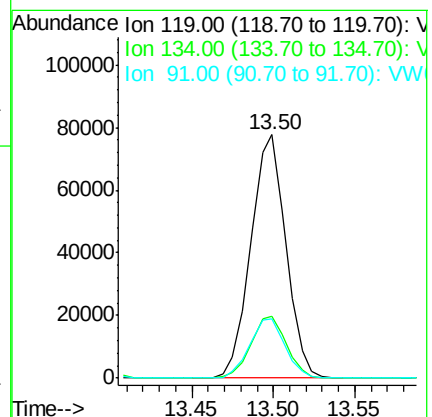
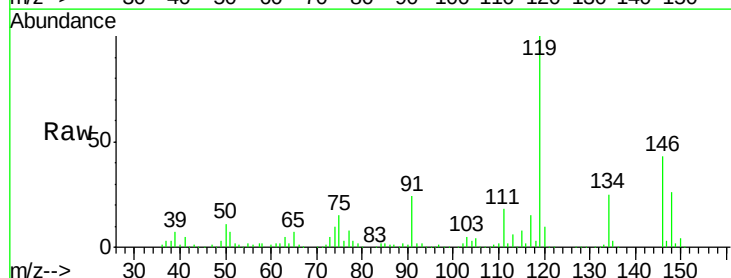
Tgt Ion:119 Resp: 116153

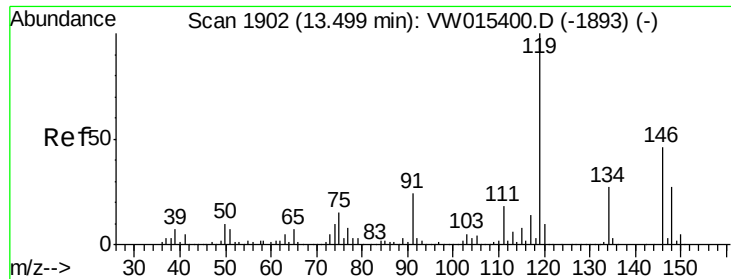
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.0 12.1 36.3





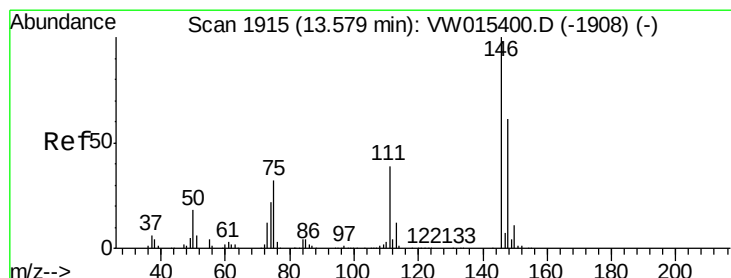
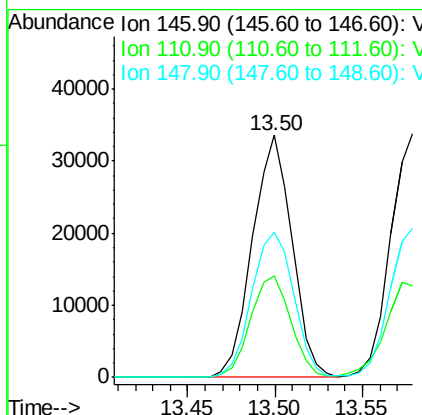
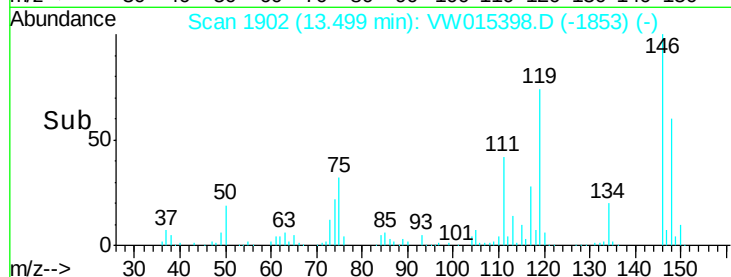
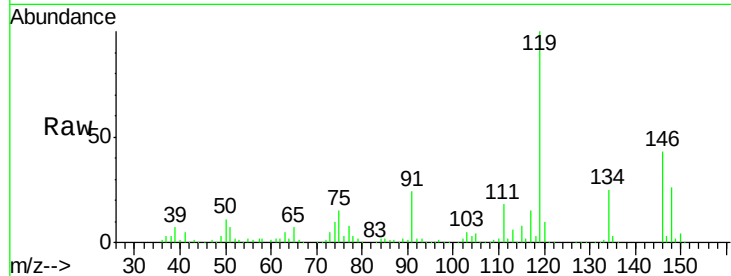
#87
 1,3-Dichlorobenzene
 Concen: 9.963 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.5	61.5
148	64.0	31.4	94.0

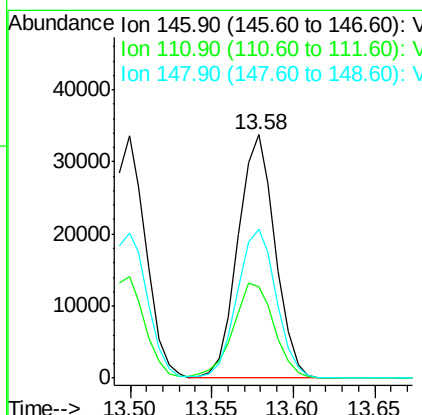
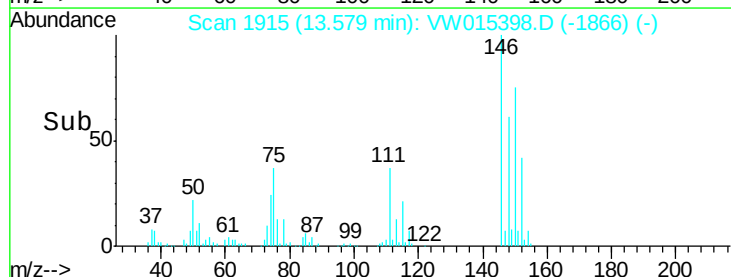
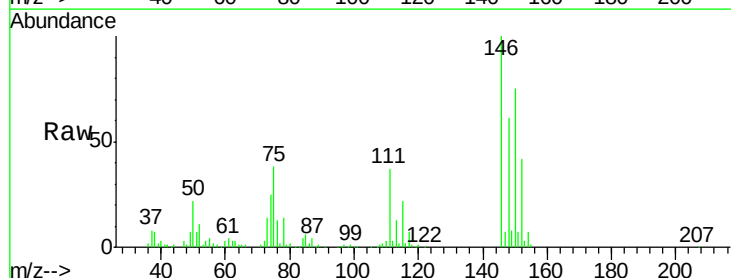
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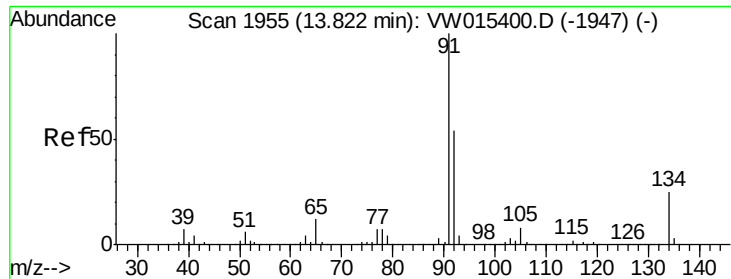
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#88
 1,4-Dichlorobenzene
 Concen: 10.298 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.0	60.0
148	64.1	31.4	94.3





#89

n-Butylbenzene

Concen: 10.924 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 114207

Ion Ratio Lower Upper

91 100

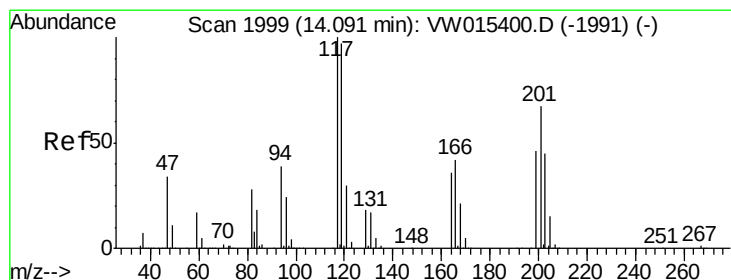
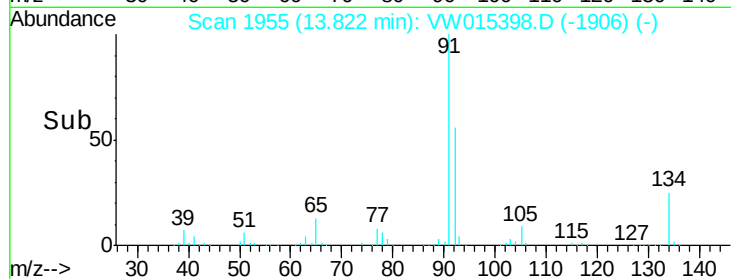
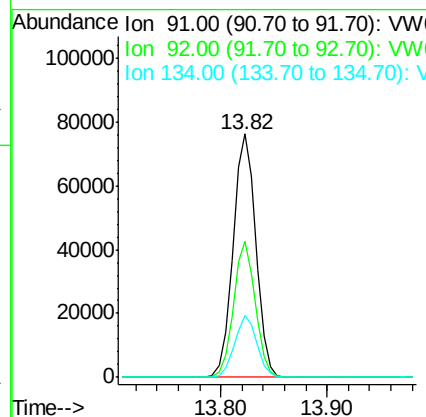
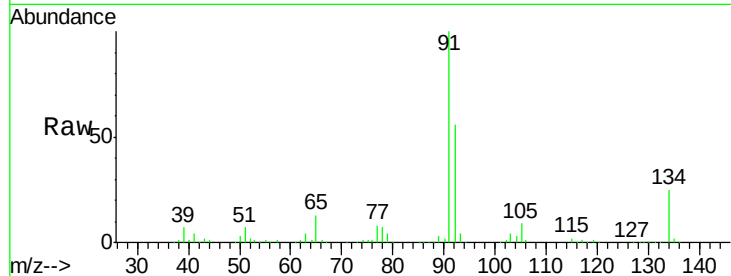
92 53.4 27.2 81.6

134 24.8 12.6 37.6

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#90

Hexachloroethane

Concen: 10.304 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015398.D

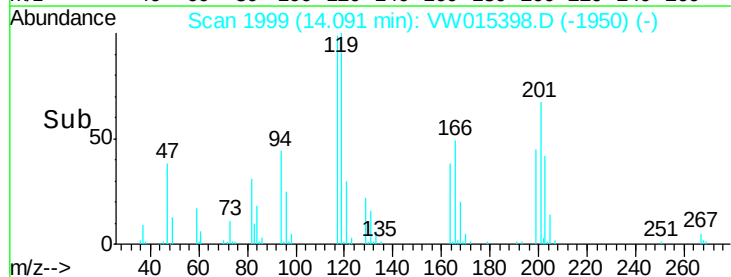
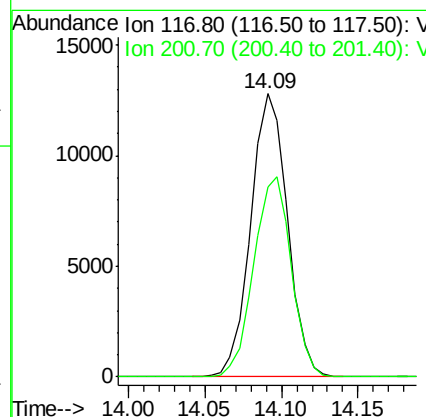
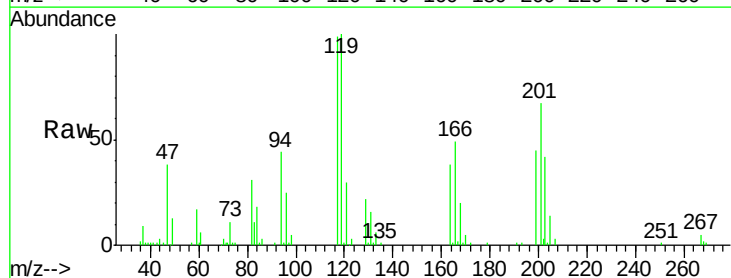
Acq: 05 May 2020 16:40

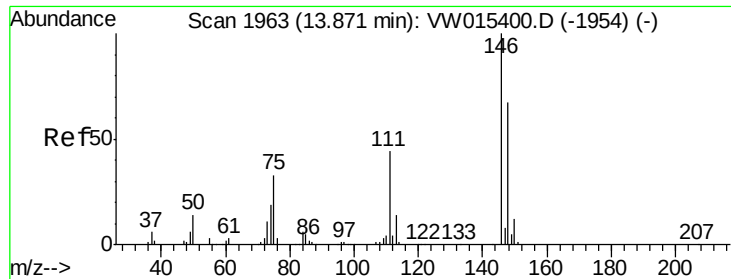
Tgt Ion: 117 Resp: 21344

Ion Ratio Lower Upper

117 100

201 72.2 35.9 107.8





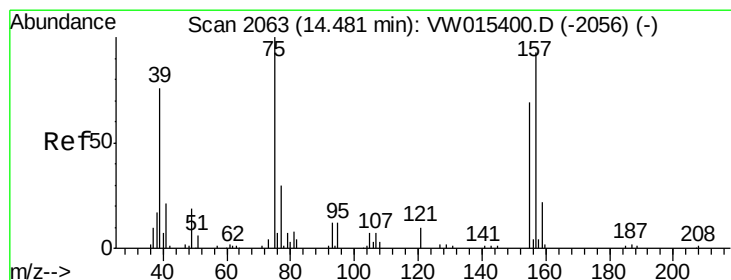
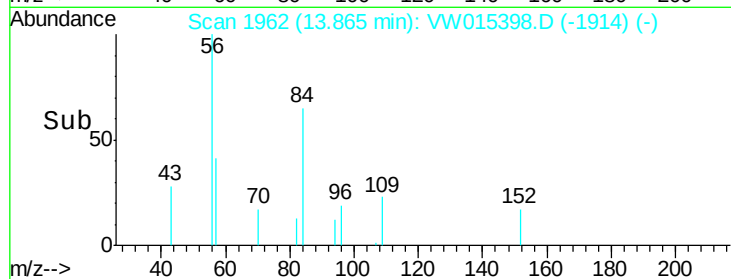
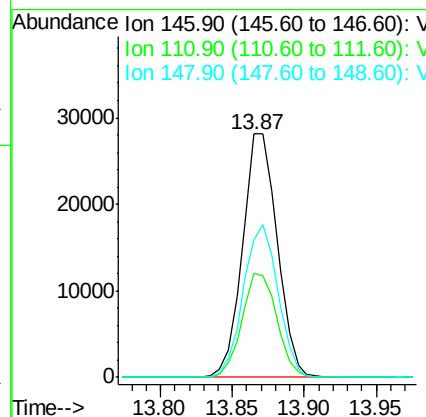
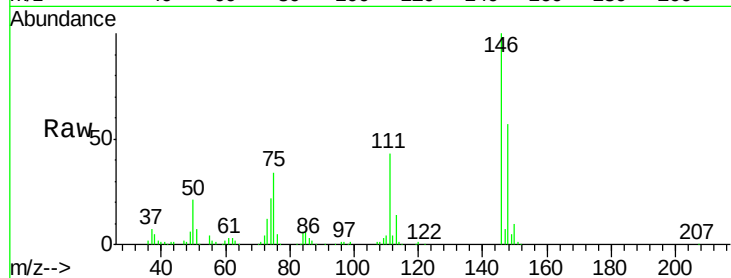
#91
 1,2-Dichlorobenzene
 Concen: 10.238 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	62.6	32.5	97.4

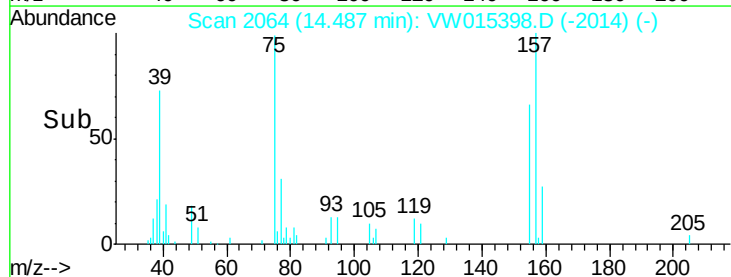
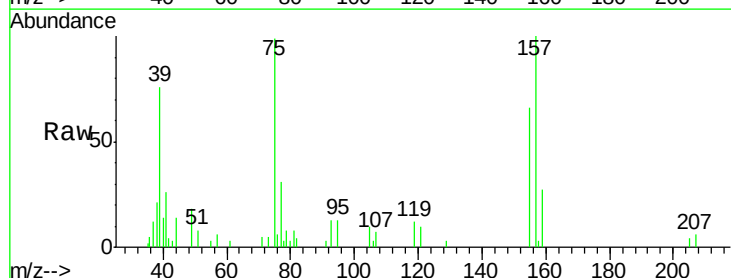
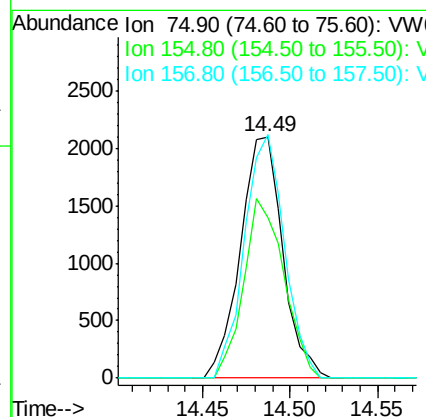
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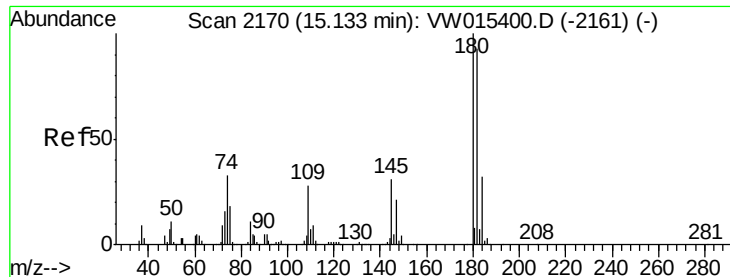
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.625 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	38.7	116.1
157	95.1	48.1	144.4





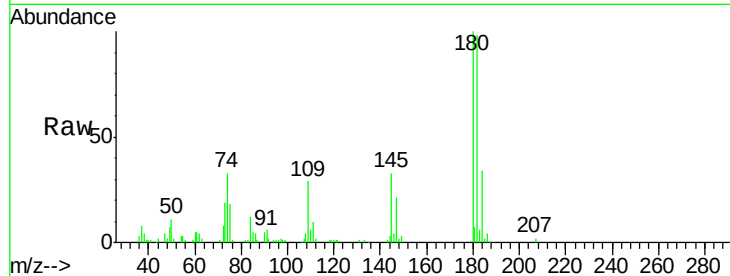
#93
 1,2,4-Trichlorobenzene
 Concen: 9.291 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

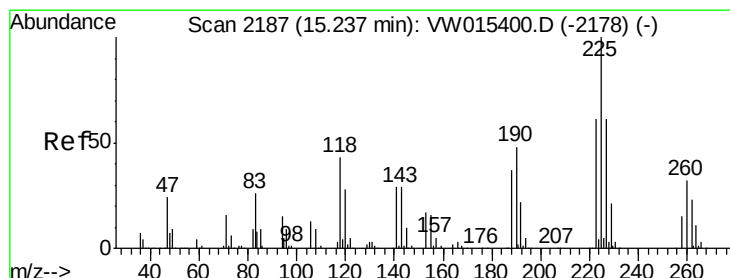
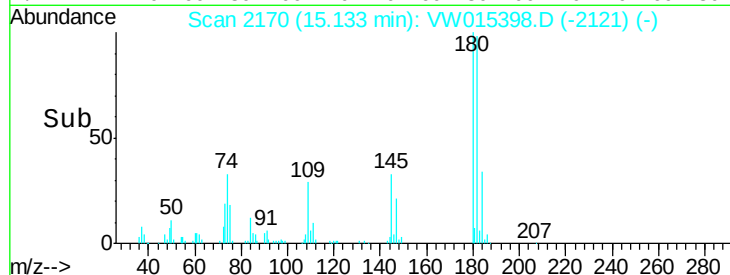
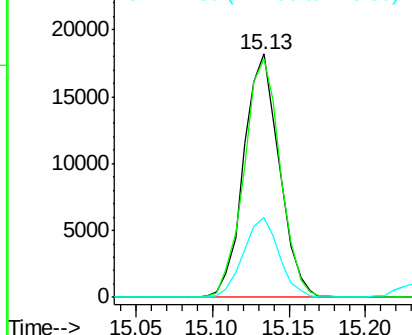
Tot Ion	Ratio	Resp	Lower	Upper
180	100	29444		
182	99.9	47.2	141.6	
145	32.7	15.6	46.8	

Manual Integrations
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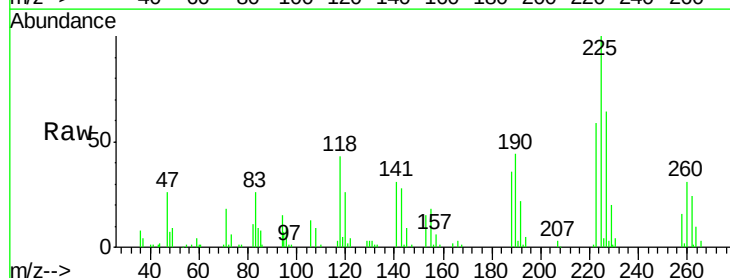


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

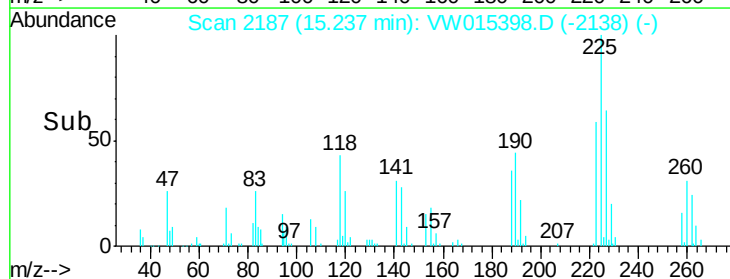
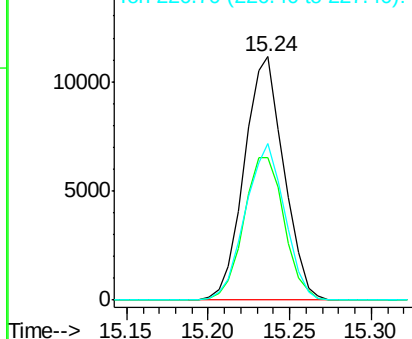


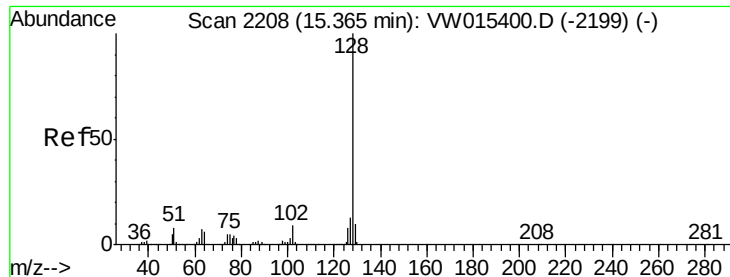
#94
 Hexachlorobutadiene
 Concen: 8.981 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18781		
223	60.2	30.7	92.1	
227	63.7	32.0	96.0	



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





#95

Naphthalene

Concen: 10.454 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

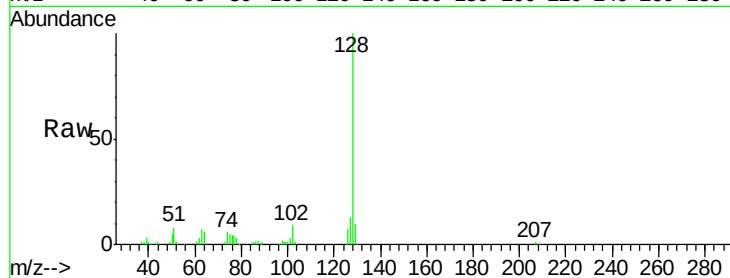
ClientSampled :

VSTDIC010

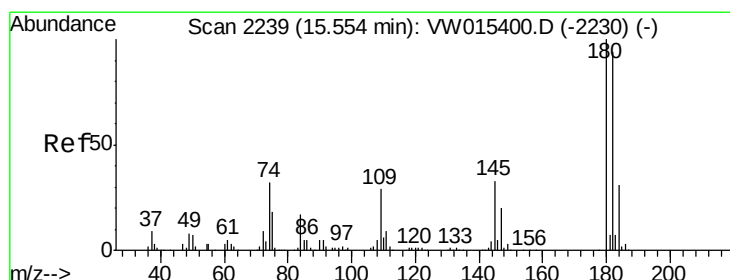
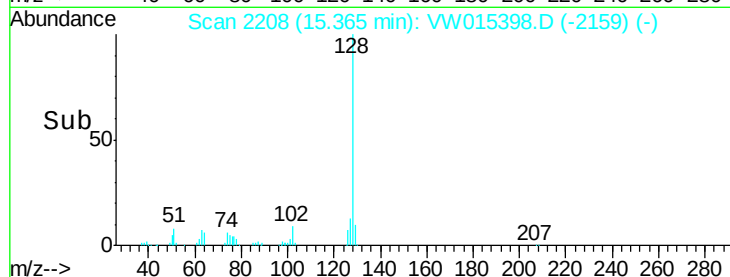
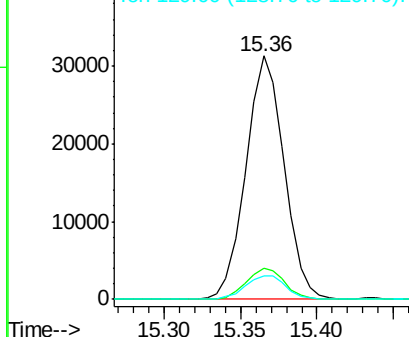
Tot Ion:	128	Resp:	54312
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:11:51 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 10.035 ug/l

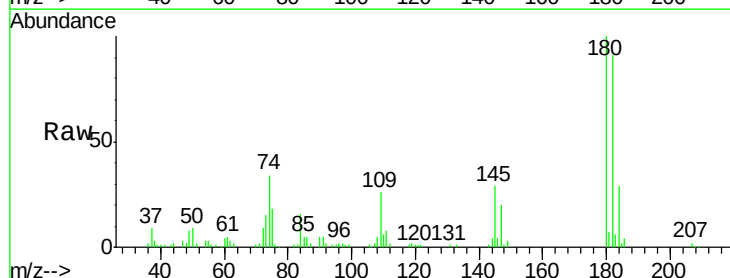
RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion:	180	Resp:	26044
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.6	142.8
145	33.2	16.3	48.8



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

