

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015402.D
 Acq On : 05 May 2020 18:15
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:12:07 PM

Quant Time: May 05 18:45:25 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	235509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	380765	186.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	373.40%	
35) Dibromofluoromethane	7.88	113	330121	151.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.60%	
50) Toluene-d8	10.32	98	1368740	149.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.86%	
62) 4-Bromofluorobenzene	12.62	95	509641	147.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	217858	121.747	ug/l	100
3) Chloromethane	2.21	50	265642	135.235	ug/l	98
4) Vinyl Chloride	2.37	62	375603	154.246	ug/l	98
5) Bromomethane	2.77	94	294191	169.565	ug/l	93
6) Chloroethane	2.92	64	261952	170.518	ug/l	98
7) Trichlorofluoromethane	3.26	101	290240	91.257	ug/l	96
8) Diethyl Ether	3.68	74	176593	178.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	326174	153.191	ug/l	99
10) Methyl Iodide	4.27	142	498709	211.978	ug/l	99
11) Tert butyl alcohol	5.20	59	102406	642.339	ug/l	100
12) 1,1-Dichloroethene	4.03	96	340667	164.123	ug/l	96
13) Acrolein	3.89	56	136343	1336.071	ug/l	97
14) Allyl chloride	4.66	41	607058	209.454	ug/l	98
15) Acrylonitrile	5.37	53	370894	961.666	ug/l	100
16) Acetone	4.13	43	299954	861.090	ug/l	98
17) Carbon Disulfide	4.37	76	1052935	170.536	ug/l	100
18) Methyl Acetate	4.67	43	161631	174.046	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	527200	117.407	ug/l	98
20) Methylene Chloride	4.91	84	359629	159.160	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	391537	166.690	ug/l	100
22) Diisopropyl ether	6.31	45	1181948	211.377	ug/l	99
23) Vinyl Acetate	6.26	43	3656097	1104.127	ug/l	98
24) 1,1-Dichloroethane	6.21	63	707357	188.125	ug/l	99
25) 2-Butanone	7.17	43	471842	983.350	ug/l	100
26) 2,2-Dichloropropane	7.17	77	431457	117.667	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	429201	168.925	ug/l	97
28) Bromochloromethane	7.51	49	277101	199.892	ug/l	100
29) Tetrahydrofuran	7.53	42	311831	1027.690	ug/l	99
30) Chloroform	7.68	83	691789	173.352	ug/l	100
31) Cyclohexane	7.95	56	651648	171.996	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	568055	150.286	ug/l	99
36) 1,1-Dichloropropene	8.08	75	566334	157.158	ug/l	99
37) Ethyl Acetate	7.25	43	225105	184.967	ug/l	98
38) Carbon Tetrachloride	8.07	117	533177	138.456	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	725078	152.468	ug/l	99
40) Benzene	8.32	78	1551417	161.301	ug/l	99
41) Methacrylonitrile	7.48	41	148590	202.629	ug/l	95
42) 1,2-Dichloroethane	8.40	62	470737	164.575	ug/l	100
43) Isopropyl Acetate	8.42	43	469063	185.463	ug/l	100
44) Trichloroethene	9.09	130	404059	140.746	ug/l	100
45) 1,2-Dichloropropane	9.37	63	385798	170.318	ug/l	99
46) Dibromomethane	9.46	93	194488	151.971	ug/l	98
47) Bromodichloromethane	9.64	83	534319	155.595	ug/l	97
48) Methyl methacrylate	9.43	41	223290	187.657	ug/l	99
49) 1,4-Dioxane	9.46	88	46735	2766.700	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	1105051	927.160	ug/l	99
52) Toluene	10.38	92	1024172	153.825	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	561315	165.156	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	648406	163.662	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	273795	152.737	ug/l	96
56) Ethyl methacrylate	10.65	69	389726	166.737	ug/l	98
57) 1,3-Dichloropropane	10.93	76	489957	162.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	898533	826.091	ug/l	99
59) 2-Hexanone	10.97	43	747310	887.725	ug/l	99
60) Dibromochloromethane	11.13	129	343418	147.213	ug/l	98
61) 1,2-Dibromoethane	11.24	107	262653	150.760	ug/l	99
64) Tetrachloroethene	10.86	164	312481	124.143	ug/l	97
65) Chlorobenzene	11.66	112	1036733	146.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	376151	148.429	ug/l	99
67) Ethyl Benzene	11.73	91	1988207	150.361	ug/l	100
68) m/p-Xylenes	11.83	106	1482139	288.959	ug/l	98
69) o-Xylene	12.16	106	713595	148.518	ug/l	98
70) Styrene	12.18	104	1247199	152.045	ug/l	99
71) Bromoform	12.35	173	192512	136.961	ug/l #	99
73) Isopropylbenzene	12.46	105	1970361	164.554	ug/l	100
74) N-amyl acetate	12.27	43	455933	207.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	301198	173.317	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	204728m	149.582	ug/l	
77) Bromobenzene	12.74	156	408719	151.441	ug/l	100
78) n-propylbenzene	12.80	91	2311551	165.139	ug/l	99
79) 2-Chlorotoluene	12.89	91	1298742	164.666	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1614507	157.195	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	115051	185.676	ug/l	97
82) 4-Chlorotoluene	12.99	91	1374784	164.356	ug/l	100
83) tert-Butylbenzene	13.21	119	1397511	156.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1605902	158.071	ug/l	98
85) sec-Butylbenzene	13.38	105	1938696	156.207	ug/l	100
86) p-Isopropyltoluene	13.50	119	1753235	152.865	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	796577	147.646	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	794399	150.147	ug/l	100
89) n-Butylbenzene	13.82	91	1716108	161.337	ug/l	99
90) Hexachloroethane	14.09	117	331452	157.275	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	700403	150.217	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	51893	167.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	475858	147.582	ug/l	98
94) Hexachlorobutadiene	15.24	225	282844	132.937	ug/l	99
95) Naphthalene	15.36	128	865215	163.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	416459	157.717	ug/l	99

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

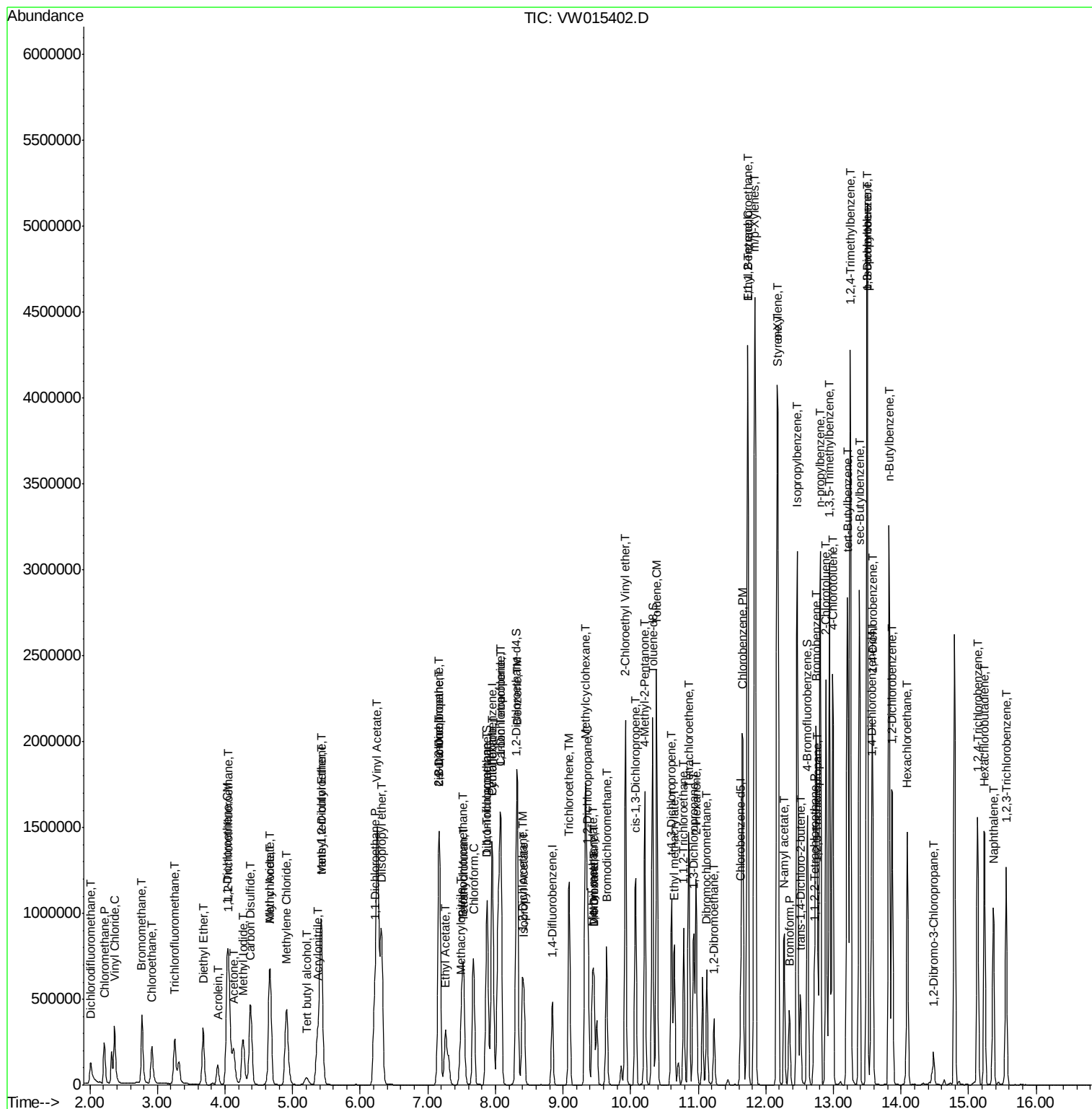
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Operator : SY/VA
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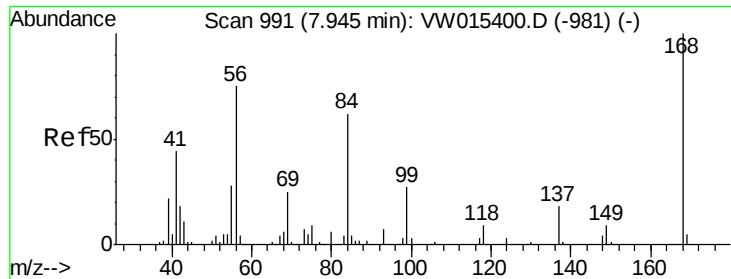
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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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: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 235509

Ion Ratio Lower Upper

168 100

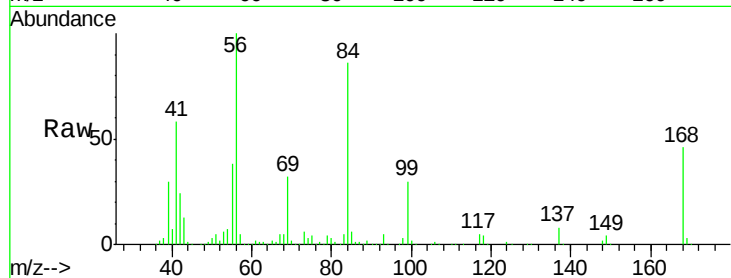
99 63.8 50.3 75.5

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

150000

100000

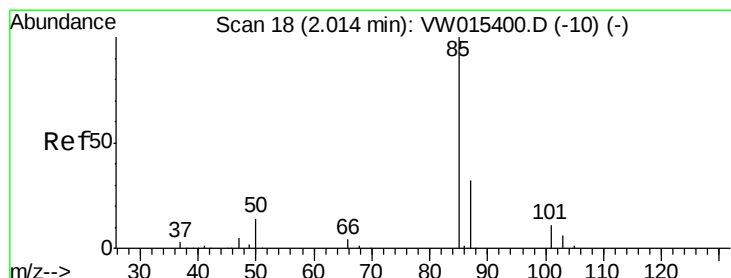
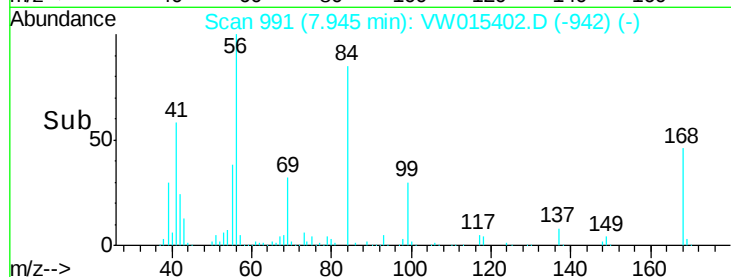
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 121.747 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015402.D

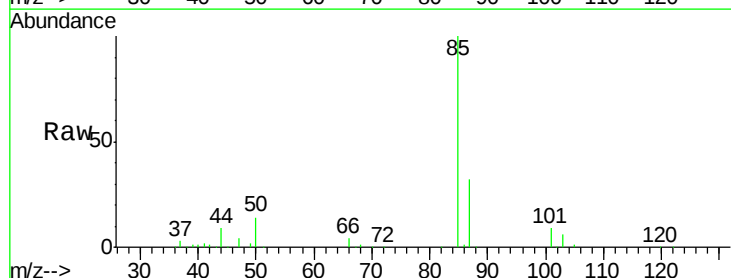
Acq: 05 May 2020 18:15

Tgt Ion: 85 Resp: 217858

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

40000

20000

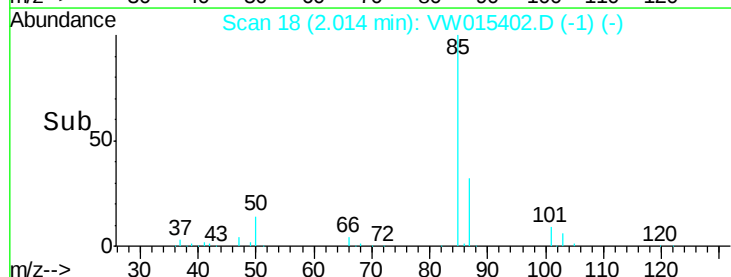
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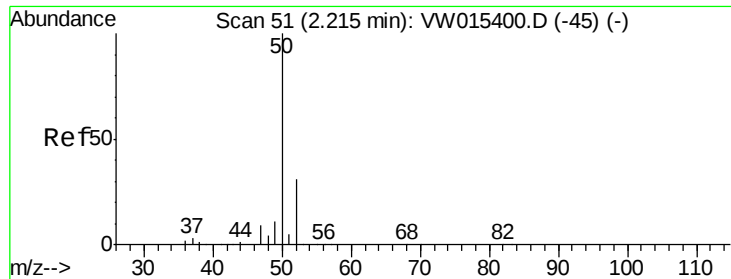
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 135.235 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 265642

Ion Ratio Lower Upper

50 100

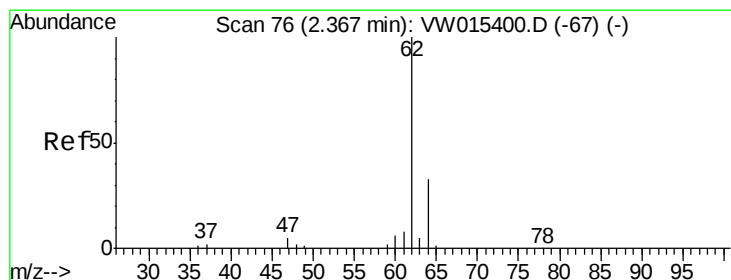
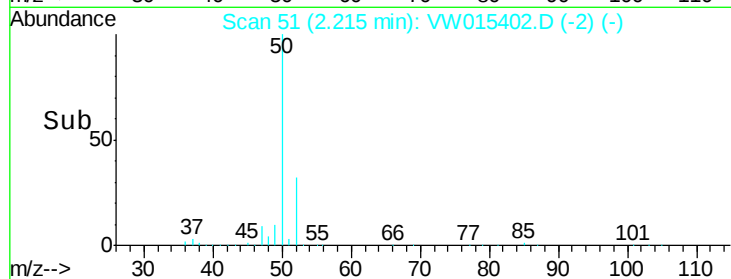
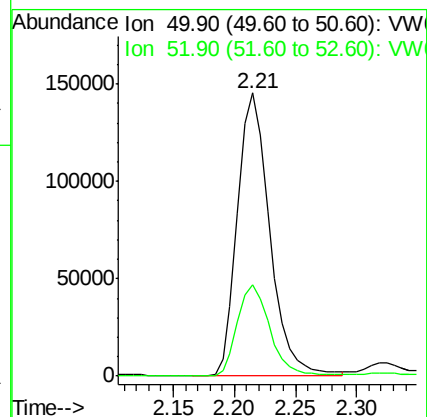
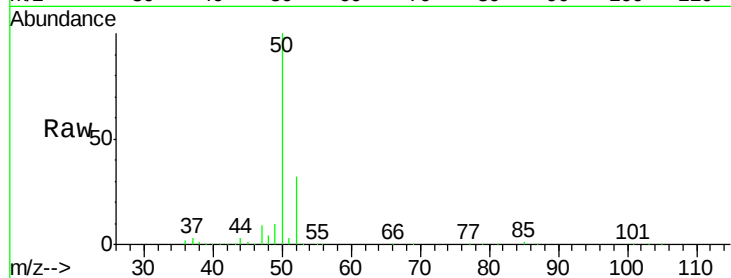
52 32.4 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 154.246 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015402.D

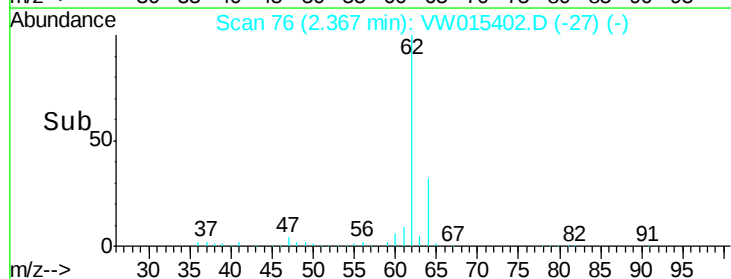
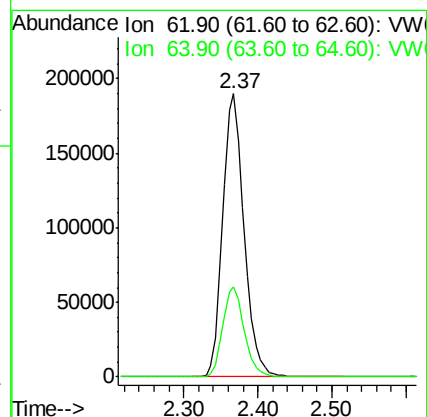
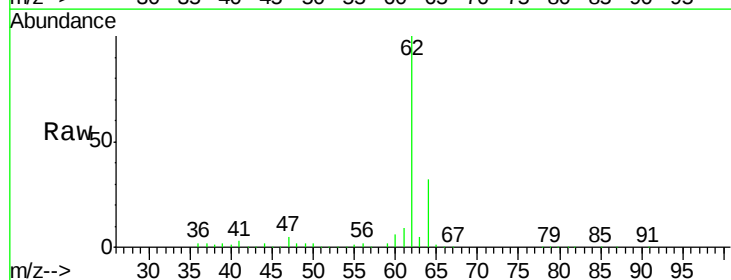
Acq: 05 May 2020 18:15

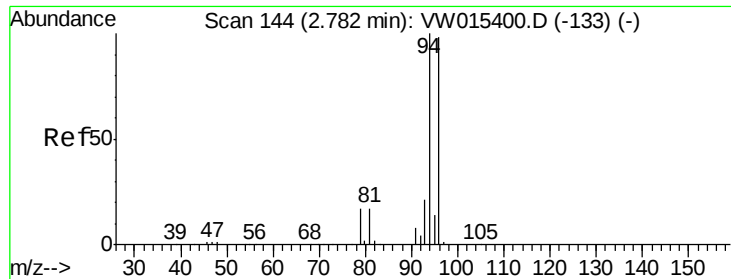
Tgt Ion: 62 Resp: 375603

Ion Ratio Lower Upper

62 100

64 31.7 26.4 39.6





#5

Bromomethane

Concen: 169.565 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 294191

Ion Ratio Lower Upper

94 100

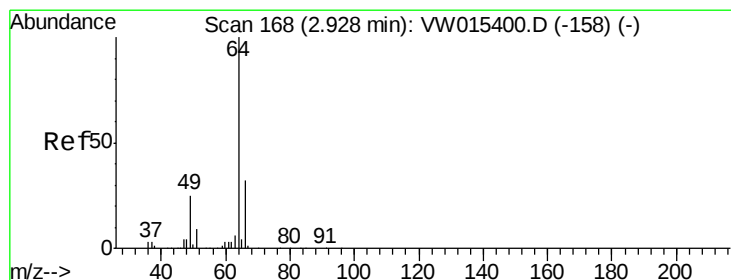
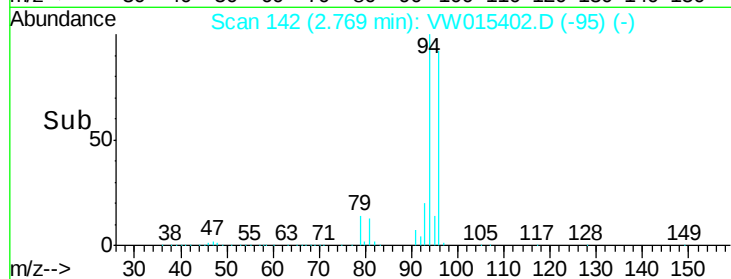
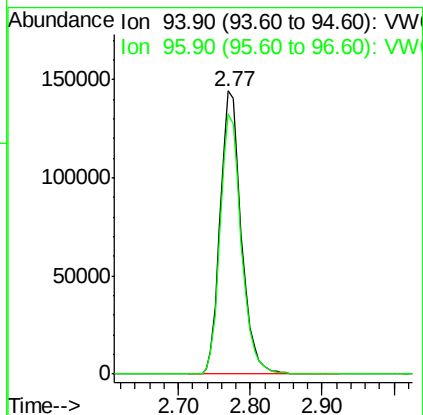
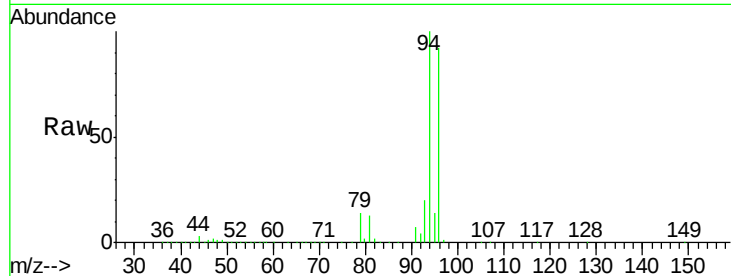
96 91.9 78.8 118.2

Manual Integrations

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#6

Chloroethane

Concen: 170.518 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015402.D

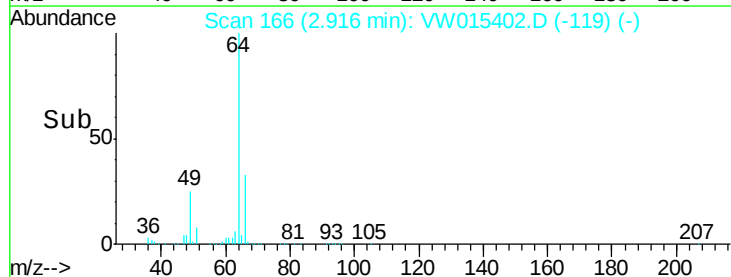
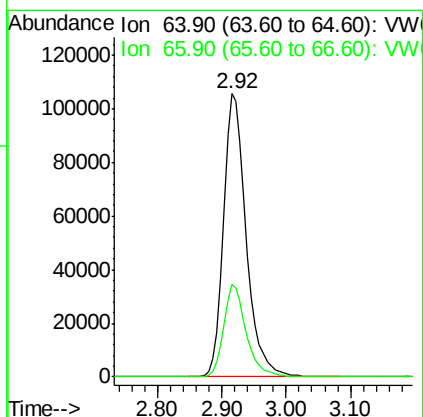
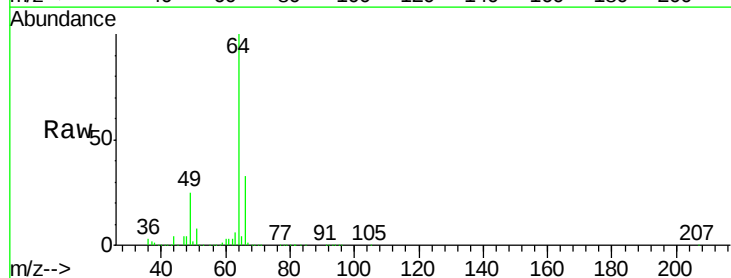
Acq: 05 May 2020 18:15

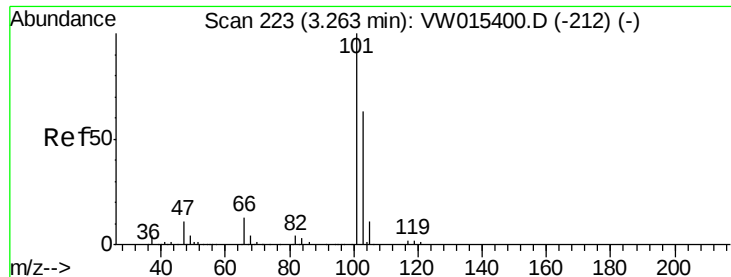
Tgt Ion: 64 Resp: 261952

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0





#7

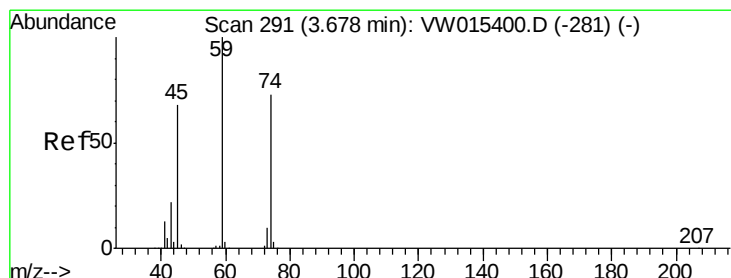
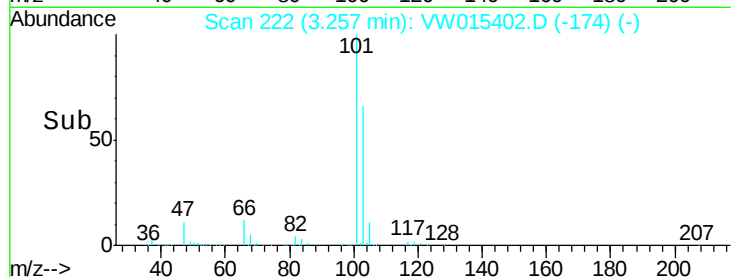
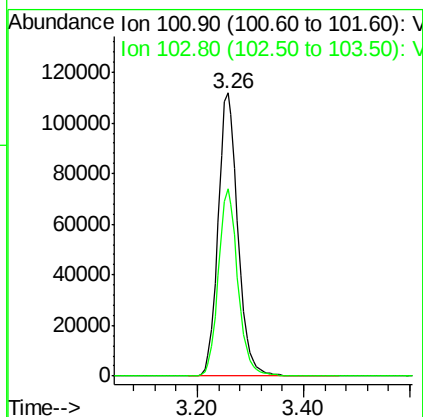
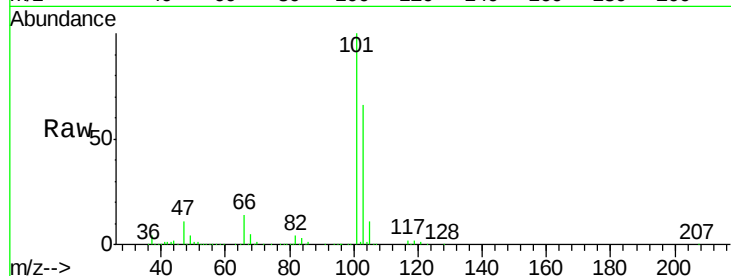
Trichlorofluoromethane
 Concen: 91.257 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	290240		
103	66.3	50.2	75.4	

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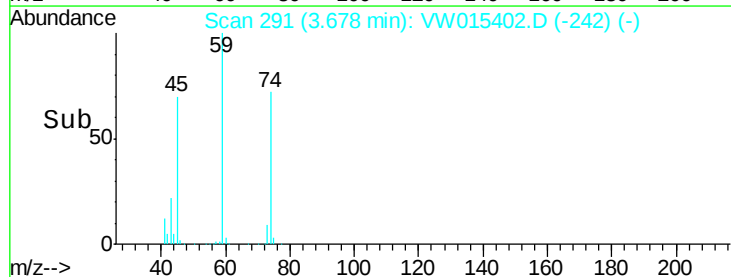
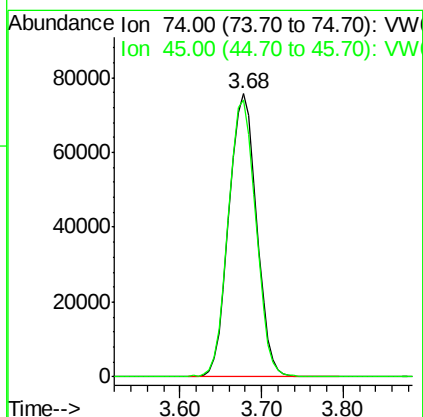
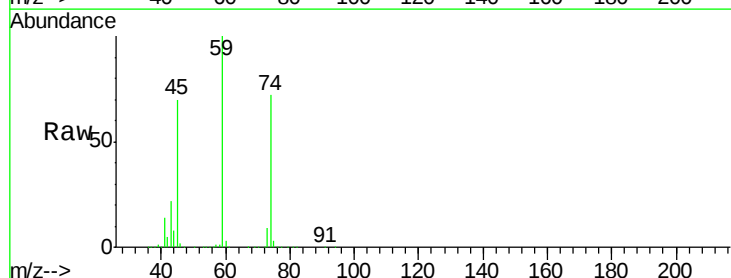
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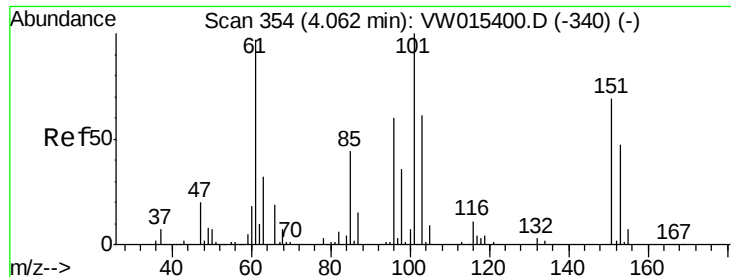


#8

Diethyl Ether
 Concen: 178.566 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	176593		
45	97.3	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.191 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

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MSVOA_W

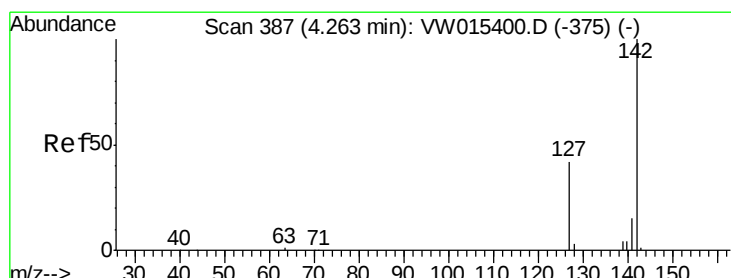
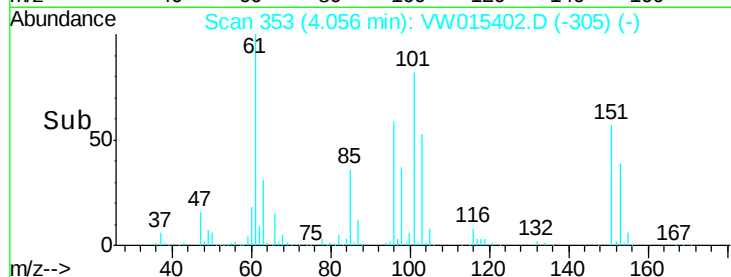
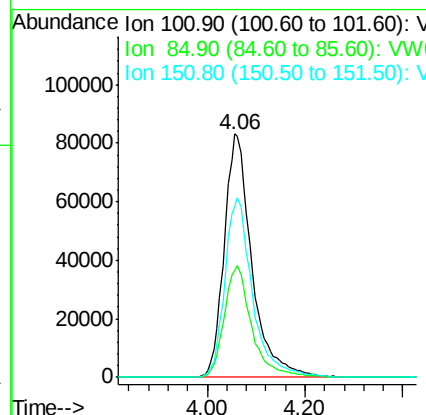
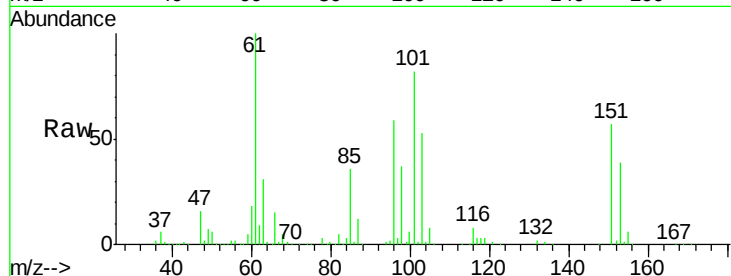
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	326174
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.3	55.9
151	73.7	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 211.978 ug/l

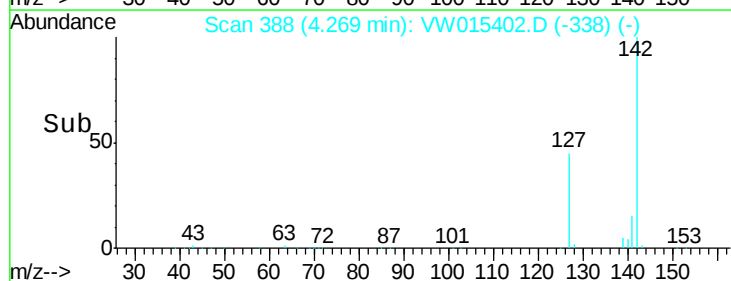
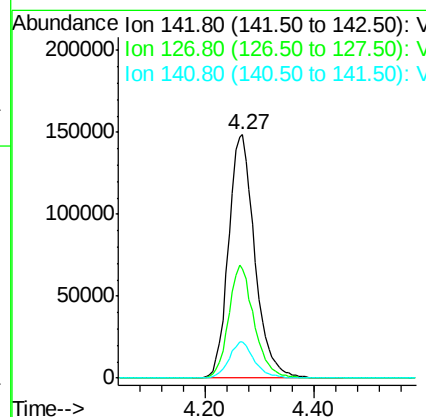
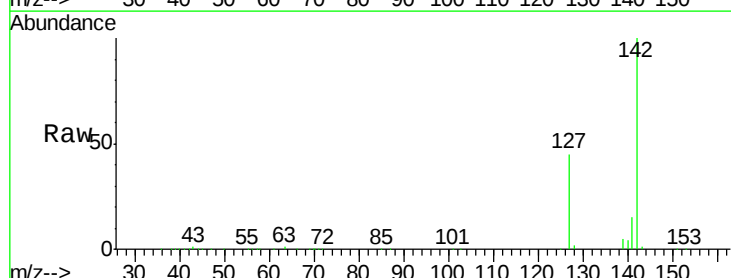
RT: 4.27 min Scan# 388

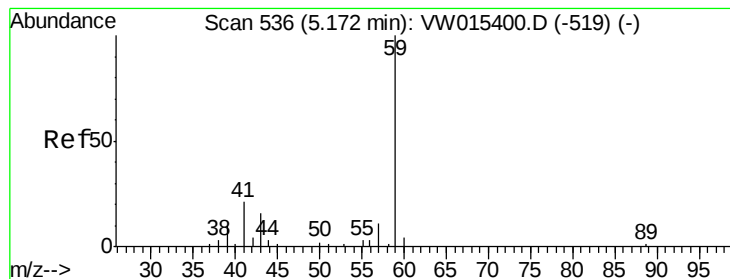
Delta R.T. 0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	142	Resp:	498709
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.4	53.2
141	14.4	11.7	17.5





#11

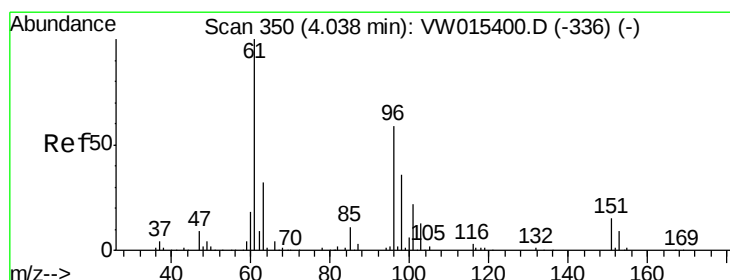
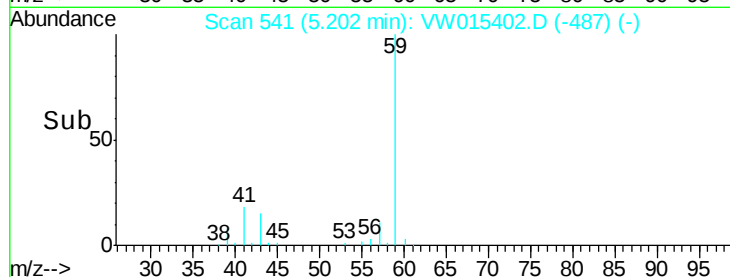
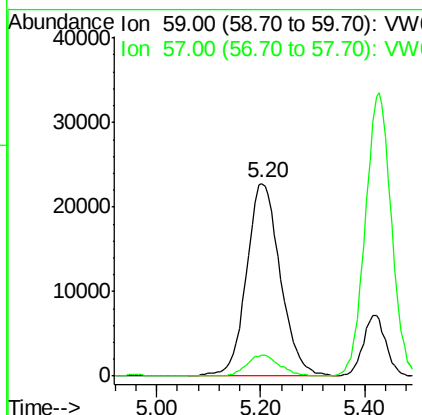
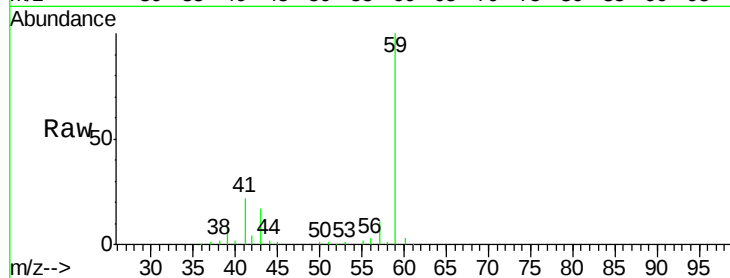
Tert butyl alcohol
 Concen: 642.339 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	59	57	Ratio	100	10.8	Resp	Lower	Upper
102406								
							8.6	13.0

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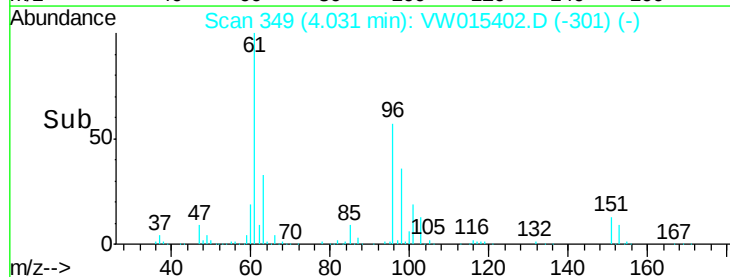
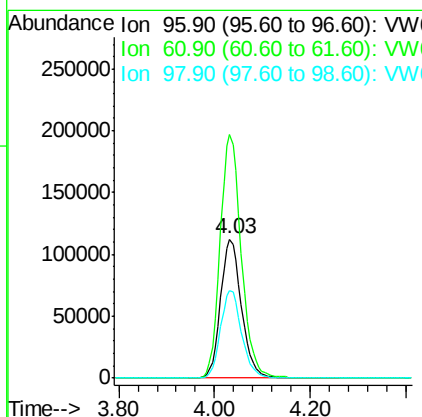
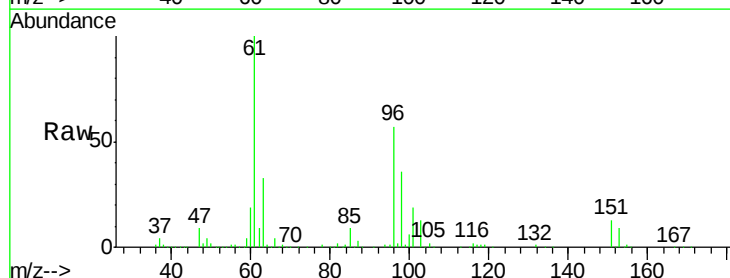
MMDadoda
 5/6/2020 12:12:07 PM

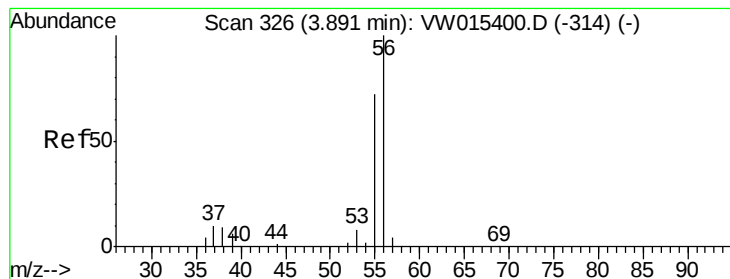


#12

1,1-Dichloroethene
 Concen: 164.123 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	96	61	98	Ratio	100	175.5	62.9	Resp	Lower	Upper
340667										
									135.8	203.8
									48.6	72.8





#13

Acrolein

Concen: 1336.071 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 136343

Ion Ratio Lower Upper

56 100

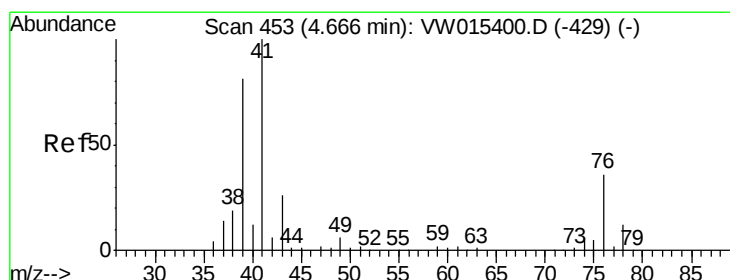
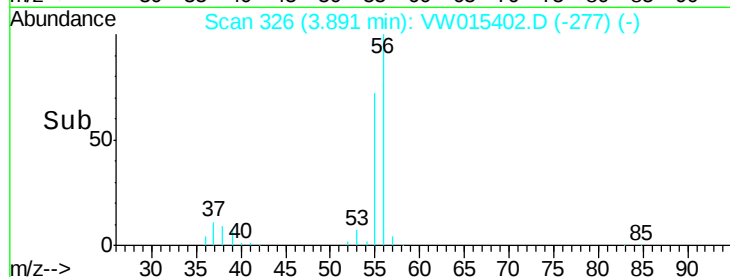
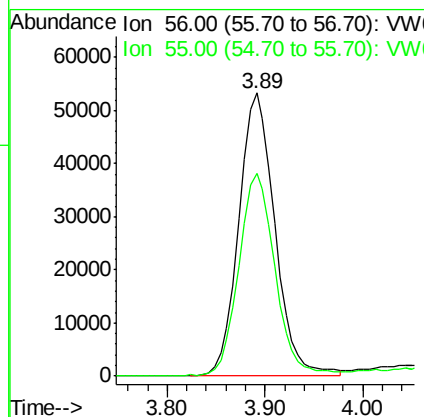
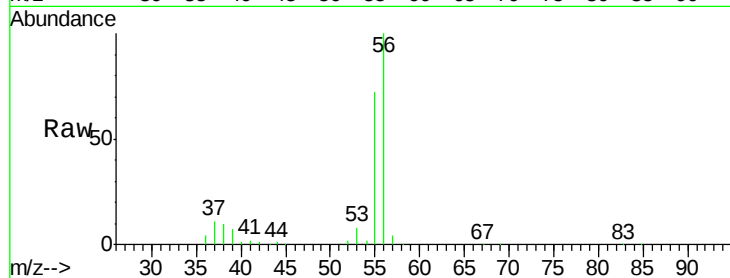
55 72.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 209.454 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

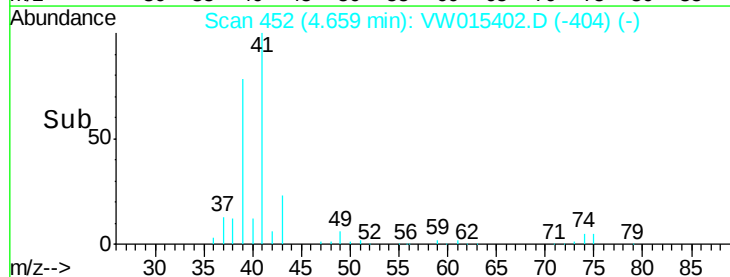
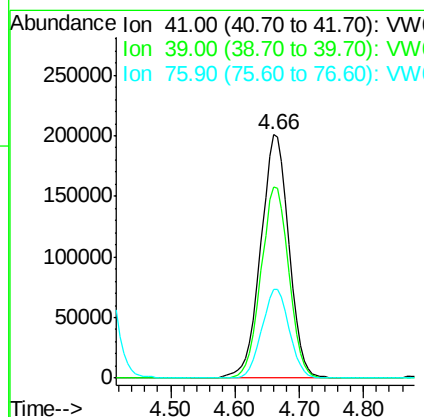
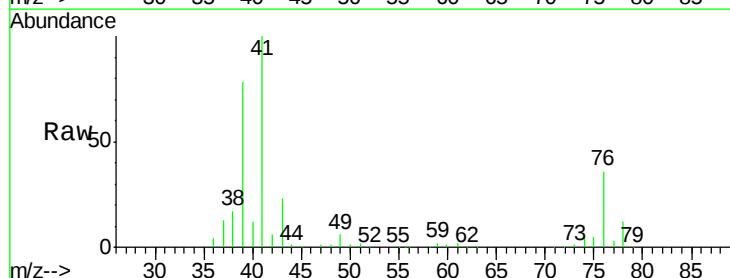
Tgt Ion: 41 Resp: 607058

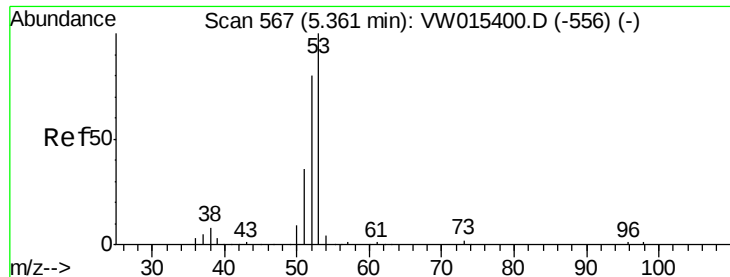
Ion Ratio Lower Upper

41 100

39 77.6 63.6 95.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 961.666 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

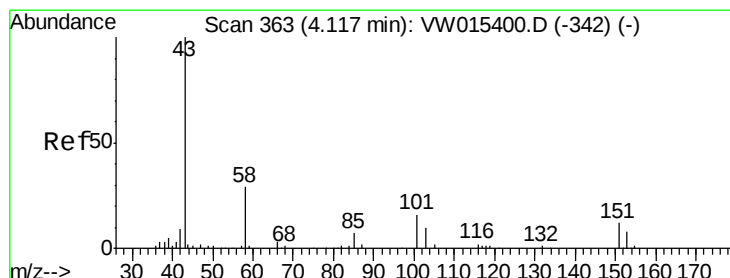
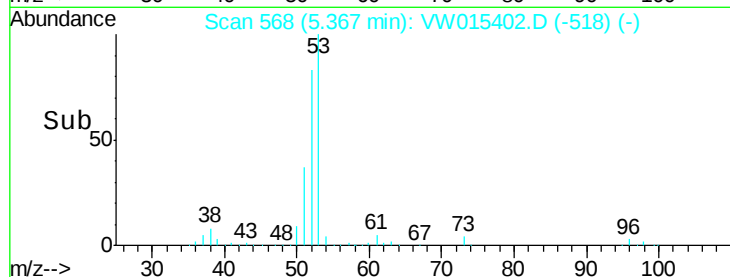
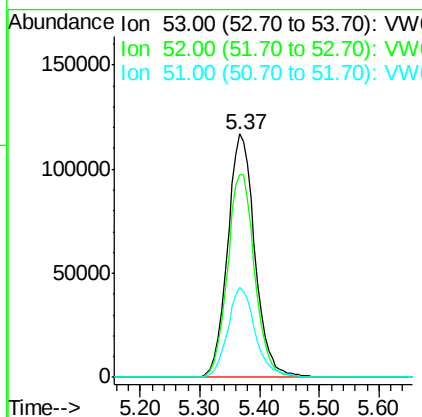
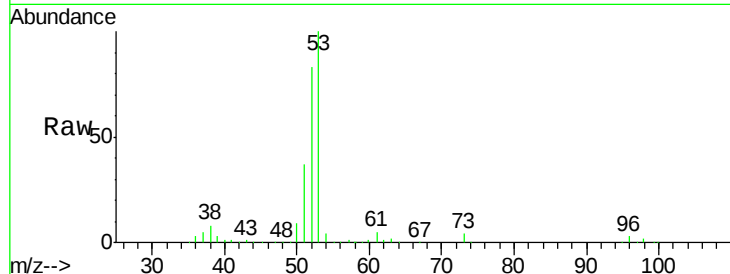
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	370894
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.6	99.8
51	37.5	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 861.090 ug/l

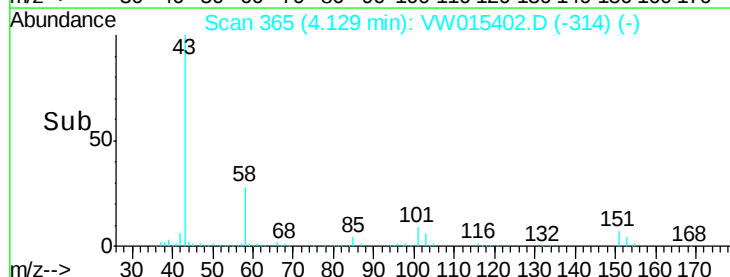
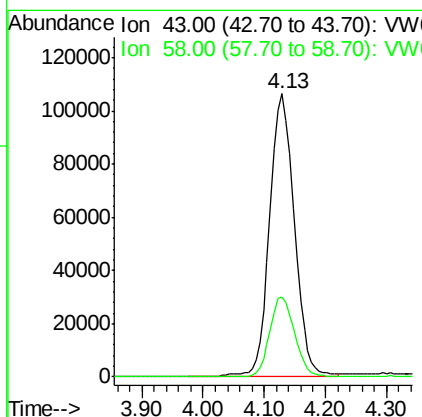
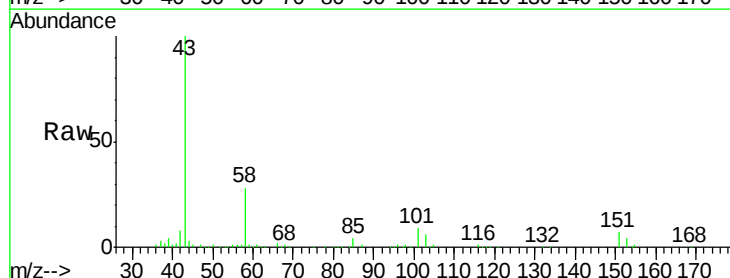
RT: 4.13 min Scan# 365

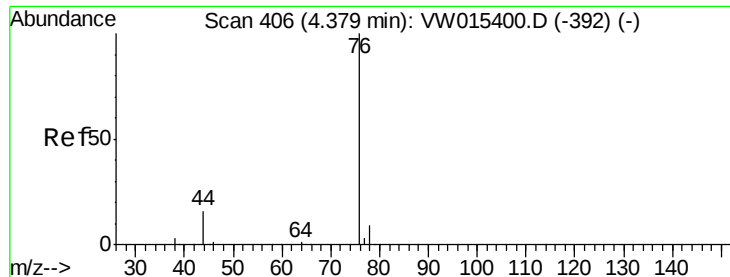
Delta R.T. 0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	43	Resp:	299954
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.4	35.0





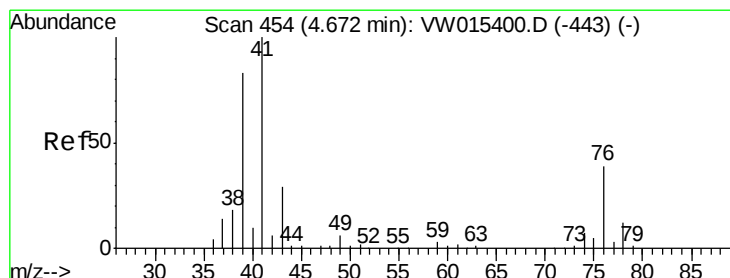
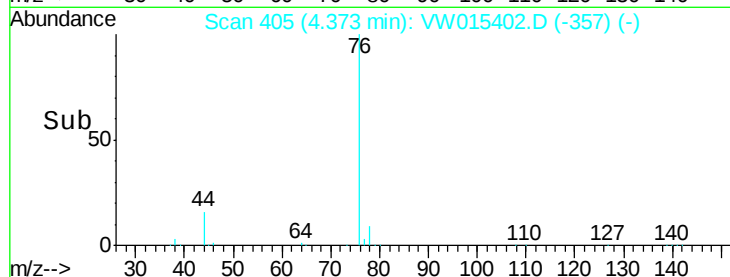
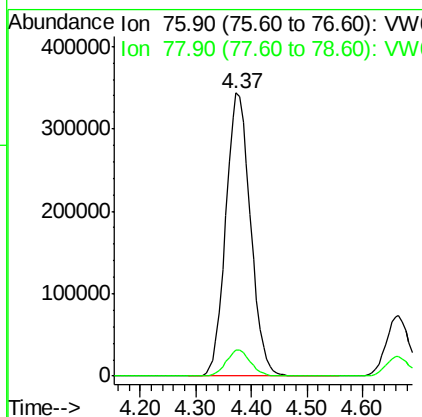
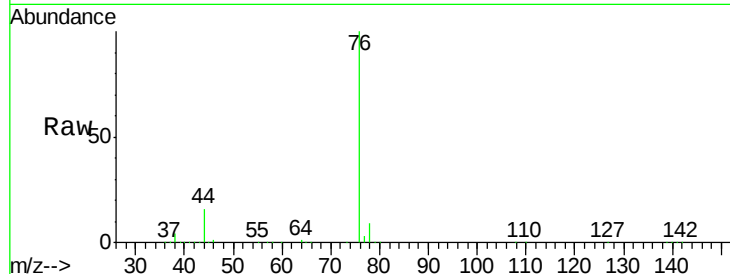
#17
Carbon Disulfide
Concen: 170.536 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1052935
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

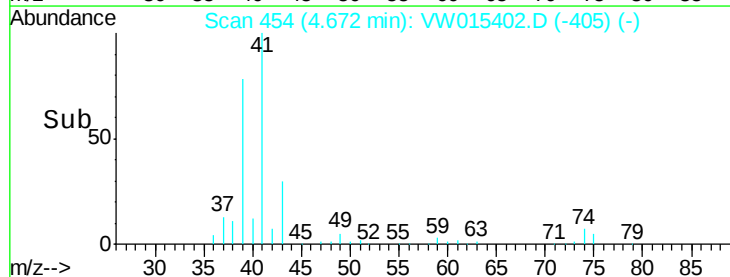
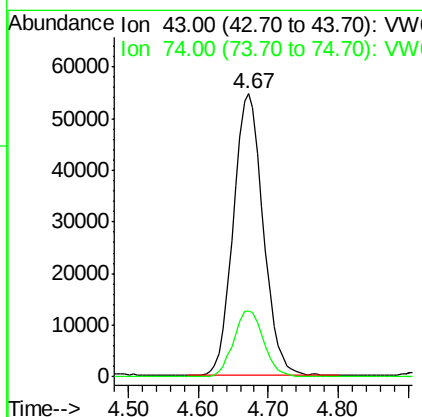
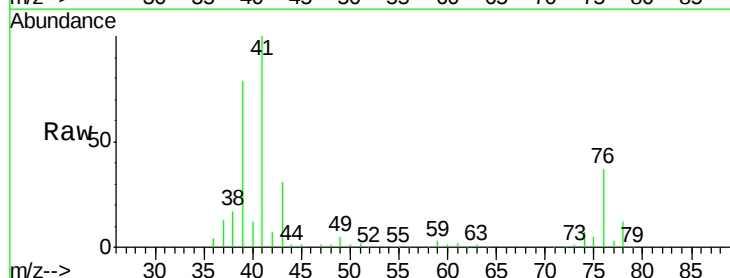
Manual Integrations
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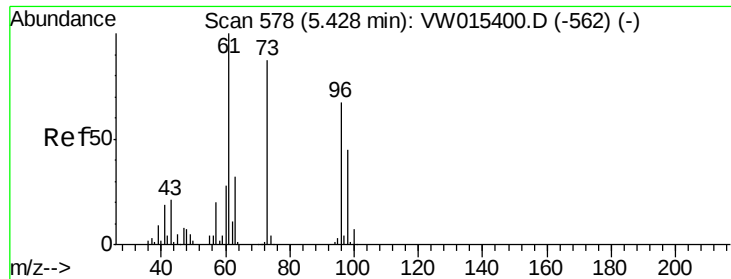
MMDadoda
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#18
Methyl Acetate
Concen: 174.046 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion: 43 Resp: 161631
Ion Ratio Lower Upper
43 100
74 23.9 18.7 28.1





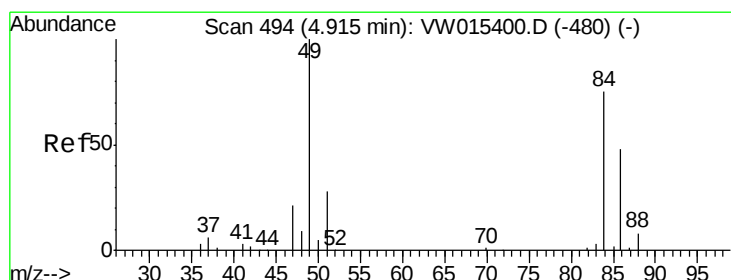
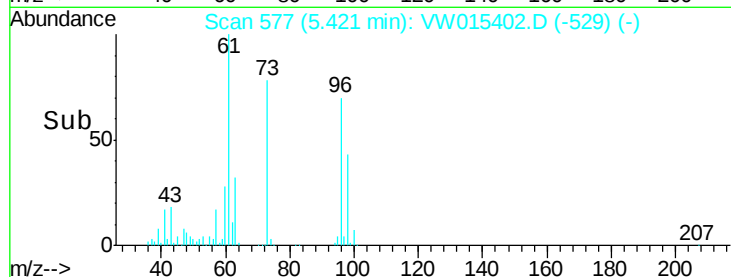
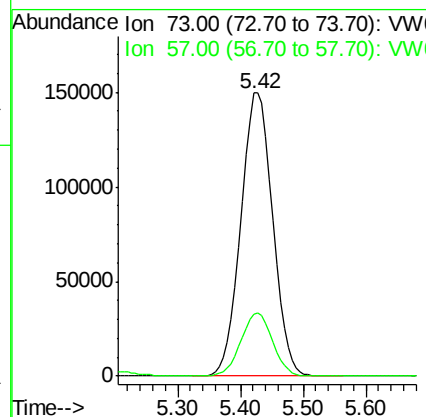
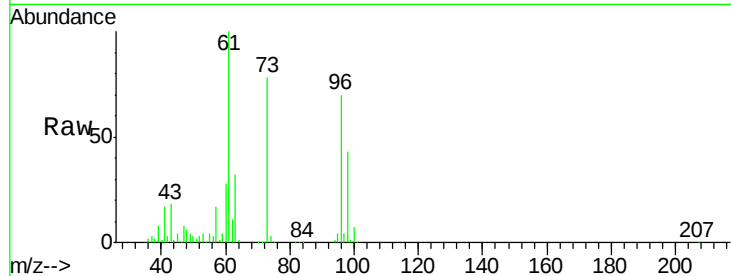
#19
Methyl tert-butyl Ether
Concen: 117.407 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 527200
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7

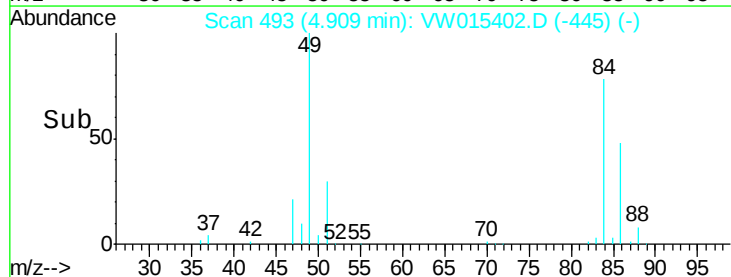
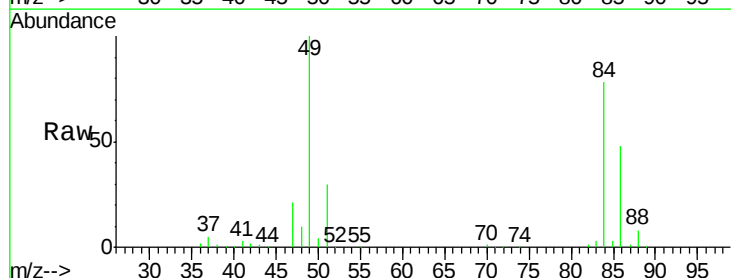
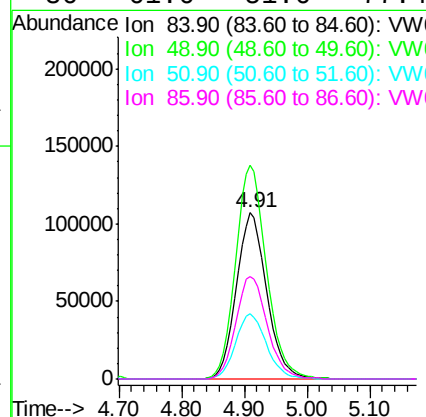
Manual Integrations
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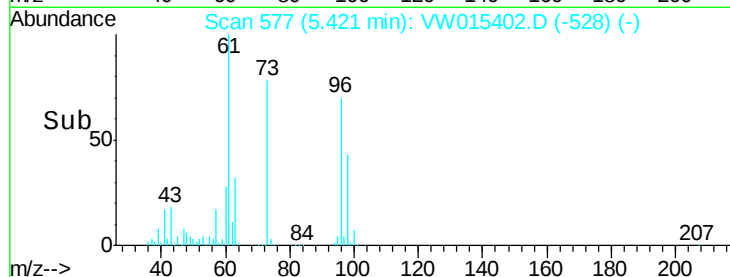
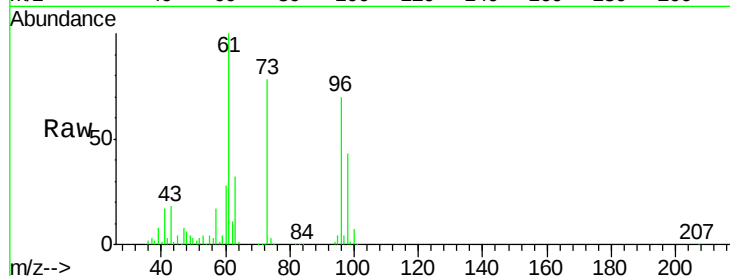
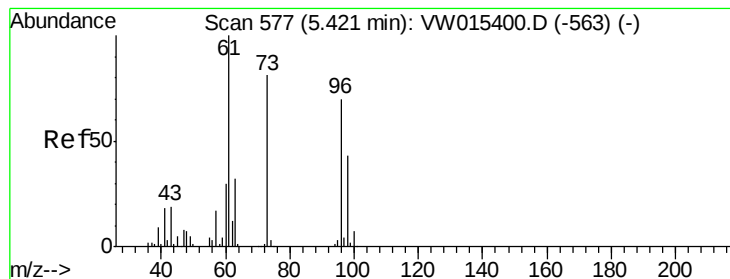
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#20
Methylene Chloride
Concen: 159.160 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion: 84 Resp: 359629
Ion Ratio Lower Upper
84 100
49 128.7 106.4 159.6
51 39.1 30.2 45.2
86 61.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 166.690 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tot Ion:	96	Resp:	391537
Ion Ratio	Lower	Upper	
96	100		
61	143.8	114.9	172.3
98	61.5	49.4	74.0

Instrument :

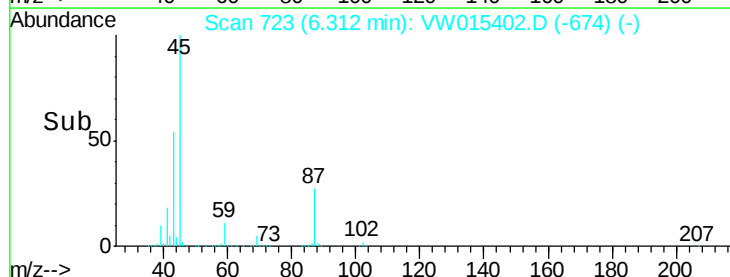
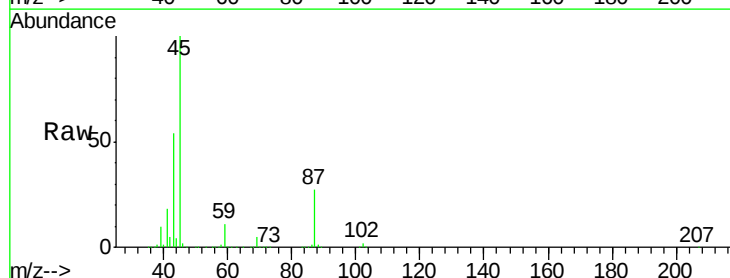
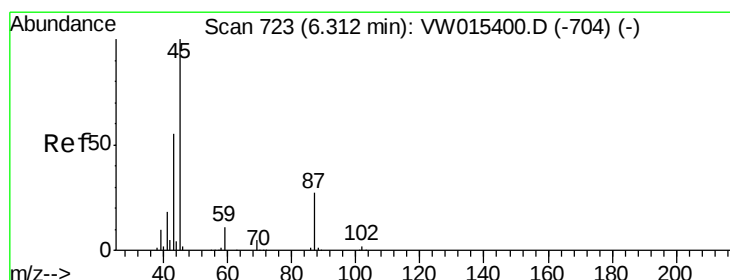
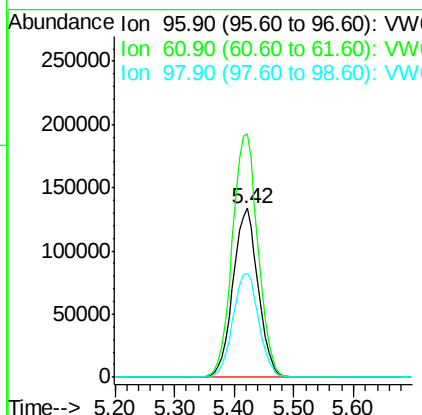
MSVOA_W

ClientSampled :

VSTDIC150

Manual Integrations
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#22

Diisopropyl ether

Concen: 211.377 ug/l

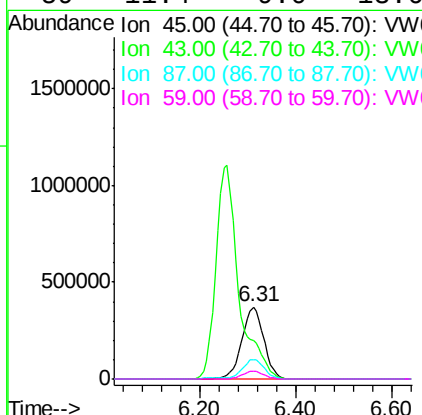
RT: 6.31 min Scan# 723

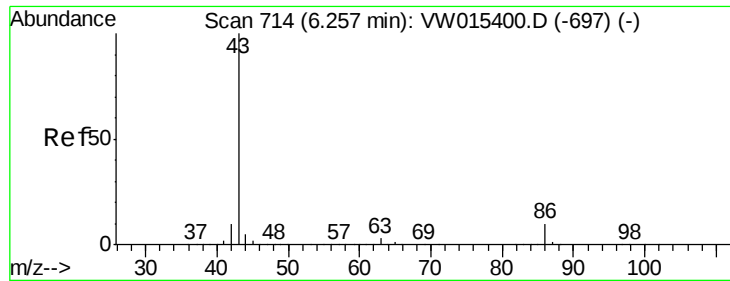
Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	45	Resp:	1181948
Ion Ratio	Lower	Upper	
45	100		
43	53.8	44.2	66.4
87	27.4	21.6	32.4
59	11.4	9.0	13.6





#23

Vinyl Acetate

Concen: 1104.127 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3656097

Ion Ratio Lower Upper

43 100

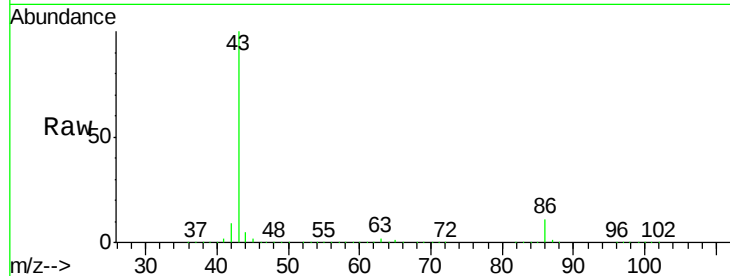
86 10.7 8.1 12.1

Manual Integrations

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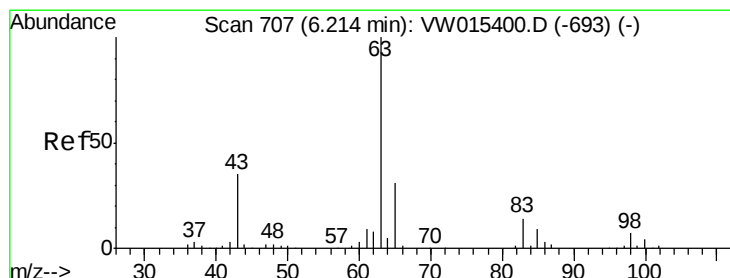
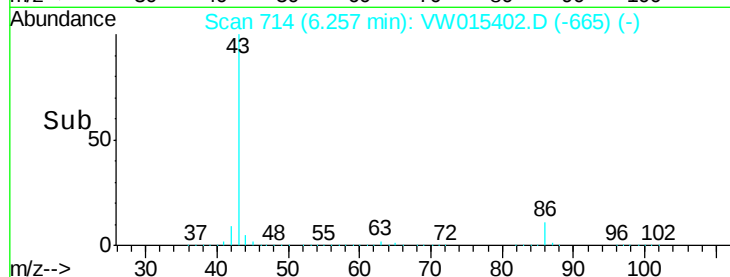
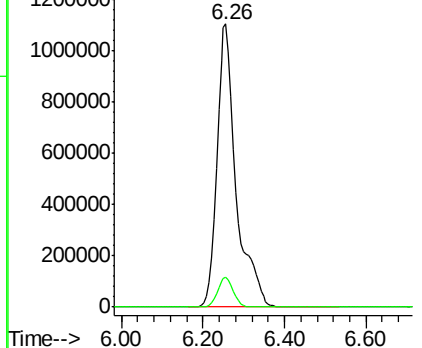
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 188.125 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

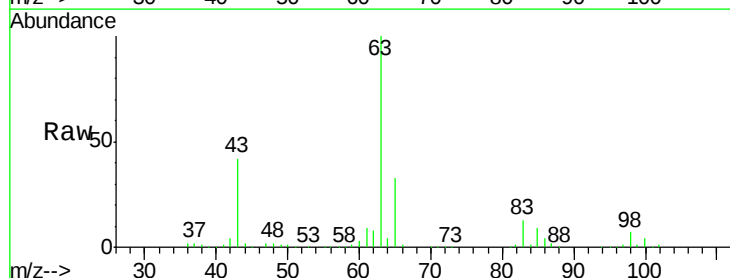
Tgt Ion: 63 Resp: 707357

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

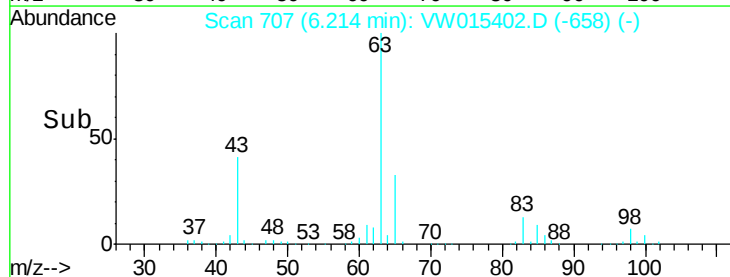
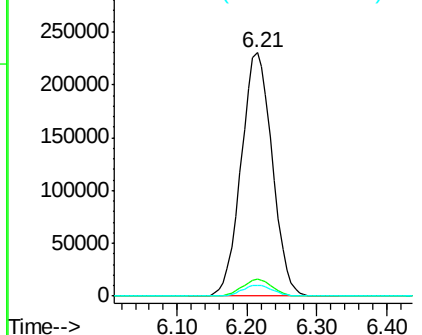
100 4.4 2.1 6.5

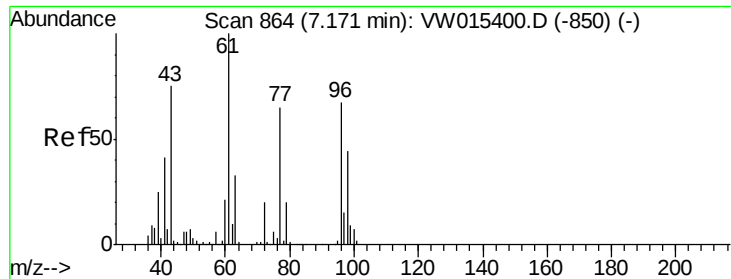


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 983.350 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 471842

Ion Ratio Lower Upper

43 100

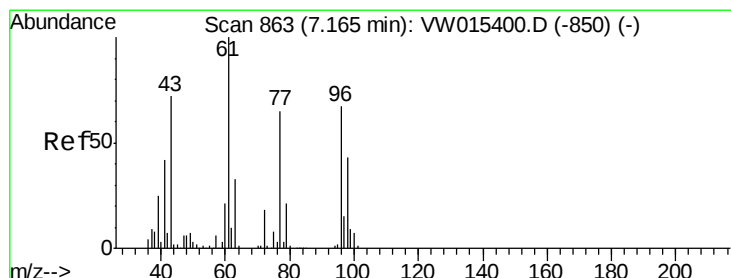
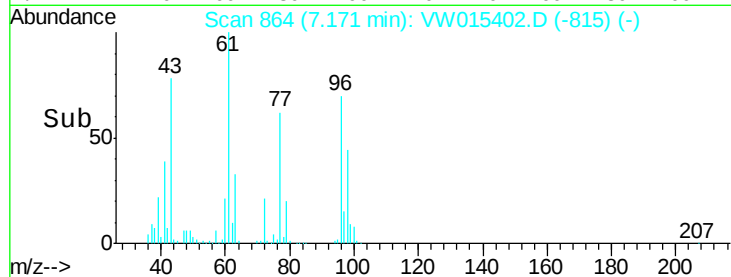
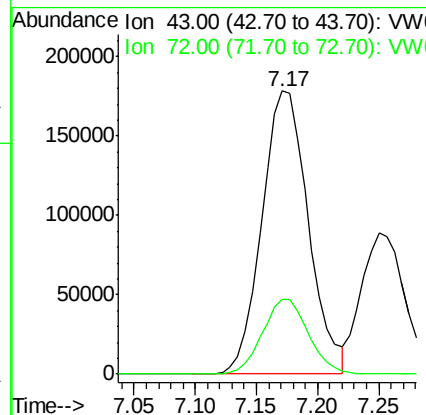
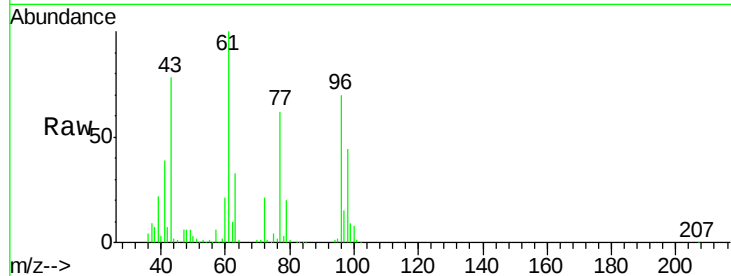
72 26.6 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 117.667 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015402.D

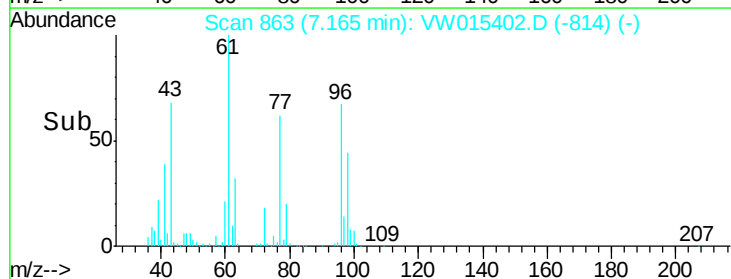
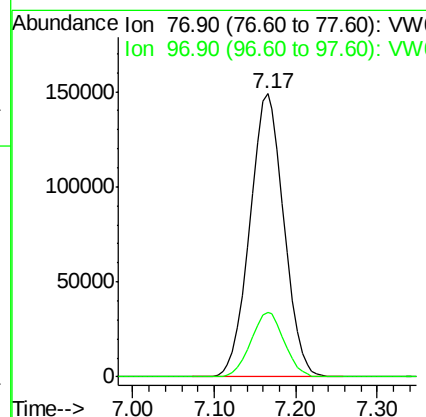
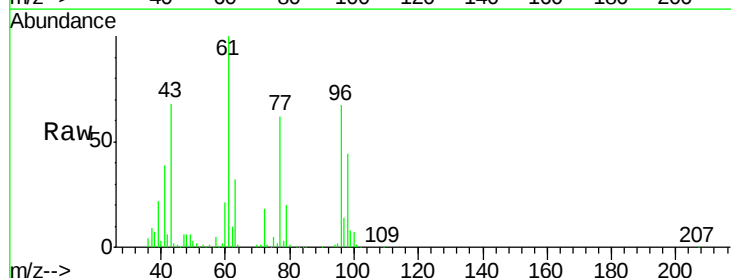
Acq: 05 May 2020 18:15

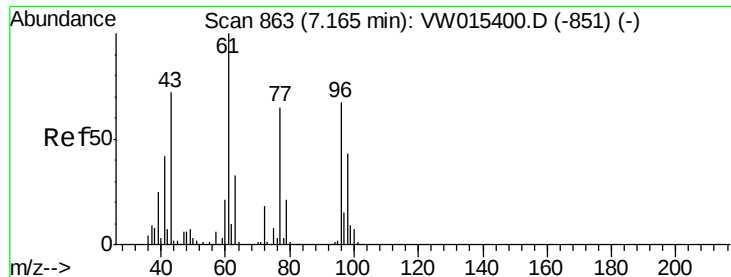
Tgt Ion: 77 Resp: 431457

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

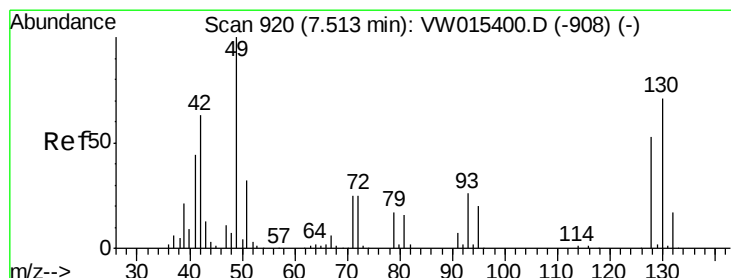
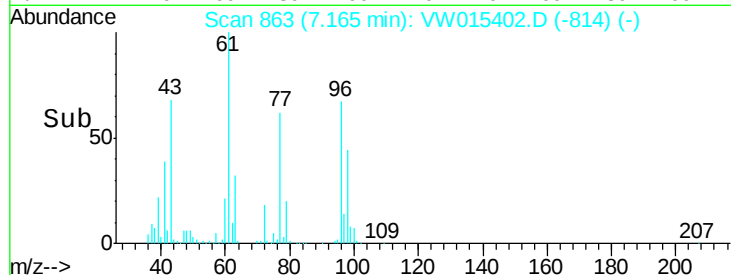
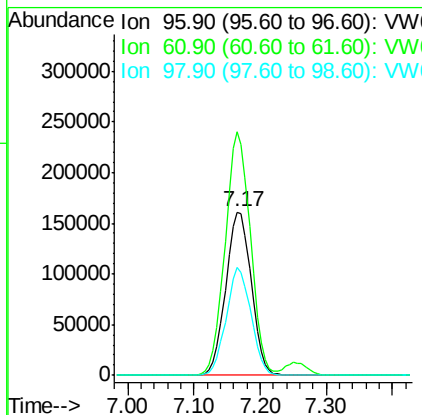
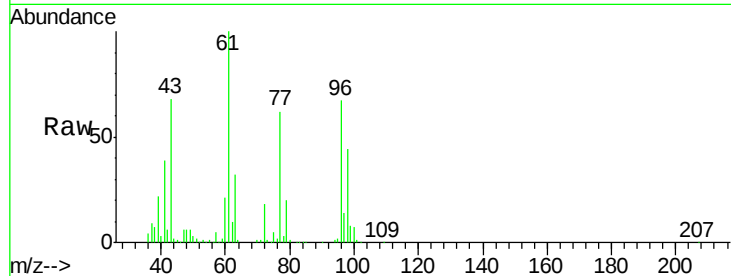
cis-1,2-Dichloroethene
Concen: 168.925 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	429201		
61	148.1	0.0	304.6	
98	64.0	0.0	129.2	

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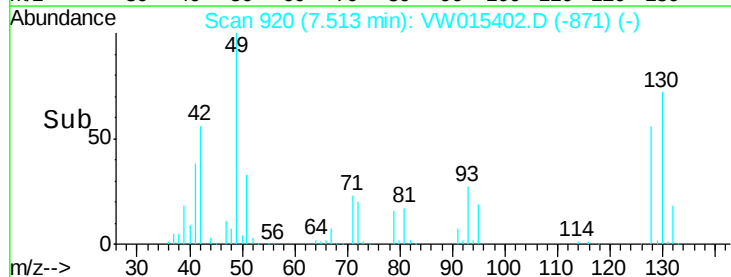
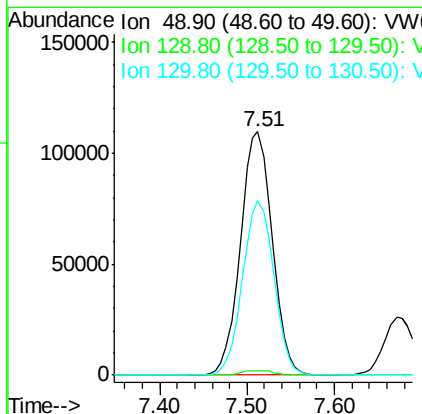
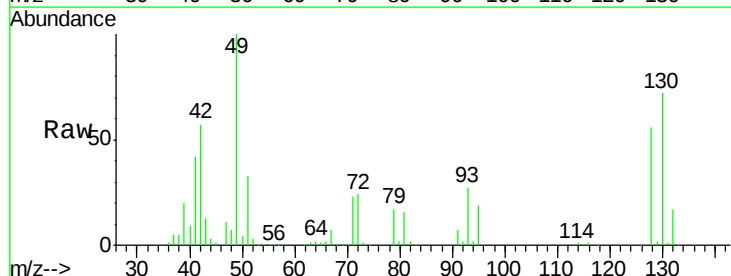
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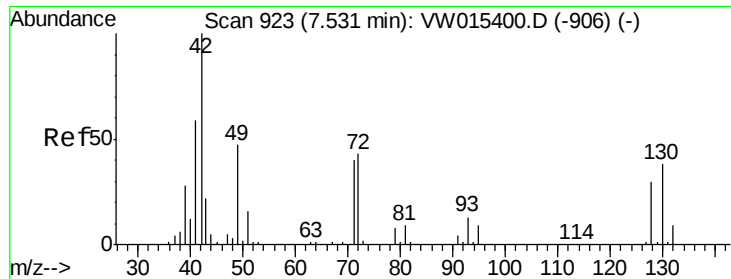


#28

Bromochloromethane
Concen: 199.892 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	277101		
129	1.9	0.0	3.0	
130	70.8	57.0	85.4	





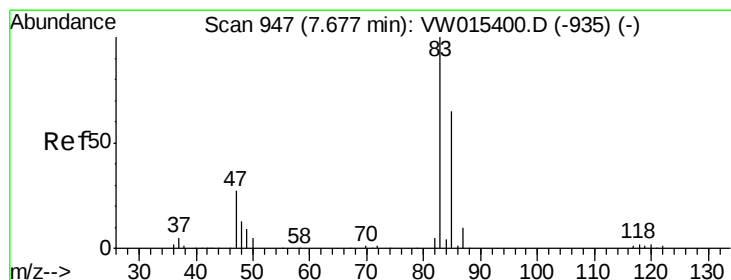
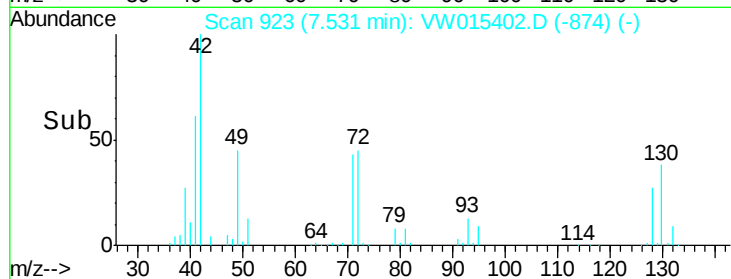
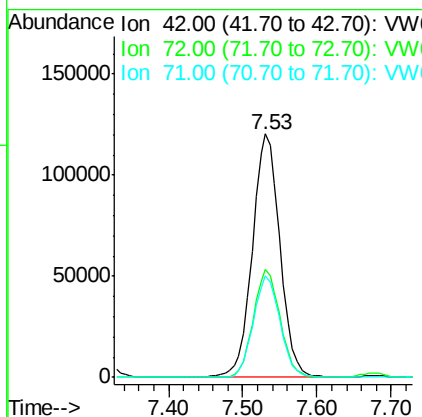
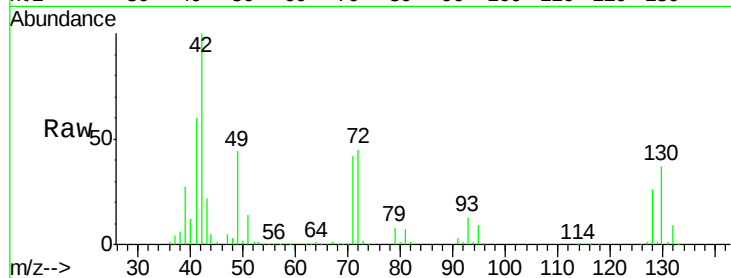
#29
Tetrahydrofuran
Concen: 1027.690 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.6	50.4
71	40.6	32.1	48.1

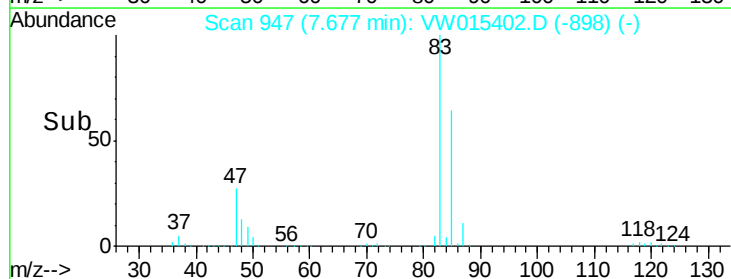
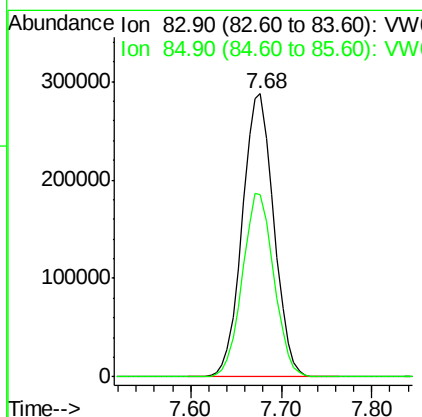
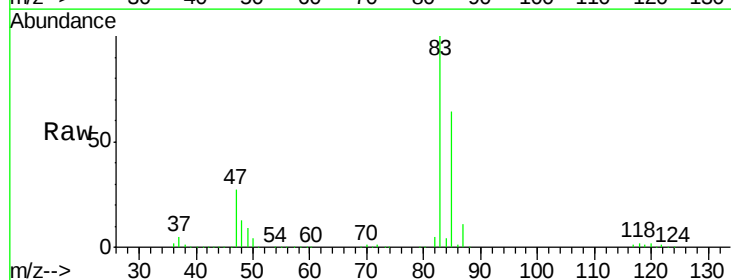
Manual Integrations
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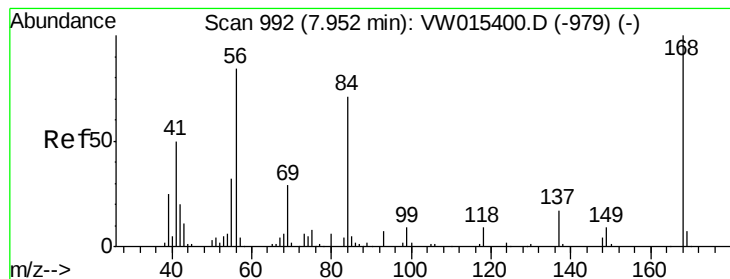
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#30
Chloroform
Concen: 173.352 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 171.996 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 651648

Ion Ratio Lower Upper

56 100

69 32.6 27.2 40.8

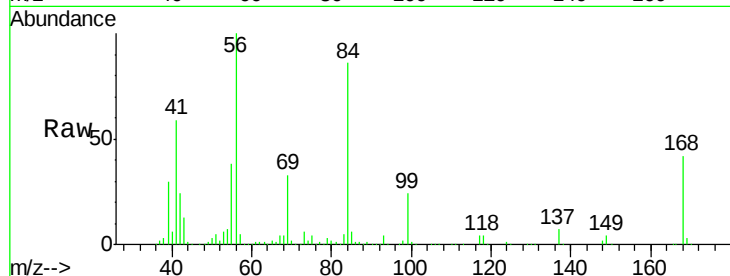
84 84.2 67.7 101.5

Manual Integrations

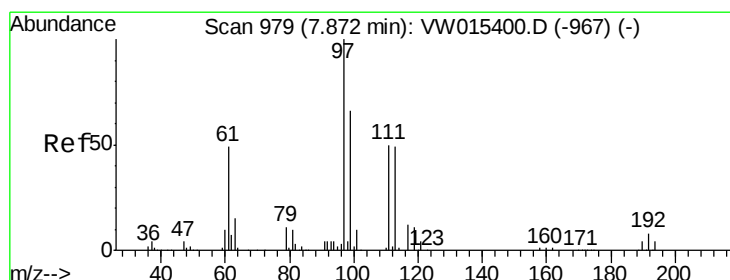
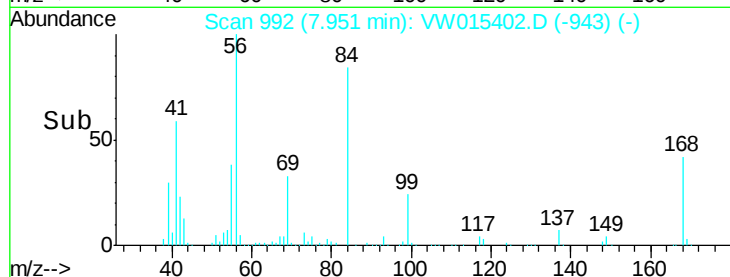
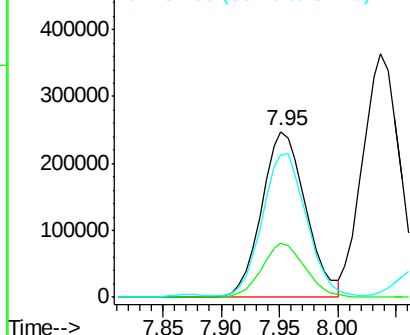
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 150.286 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

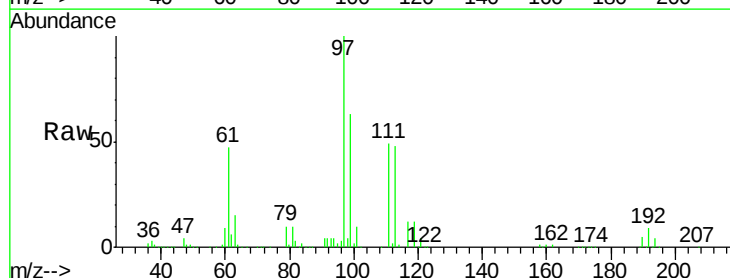
Tgt Ion: 97 Resp: 568055

Ion Ratio Lower Upper

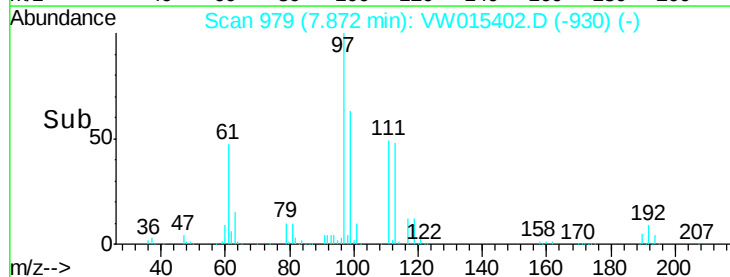
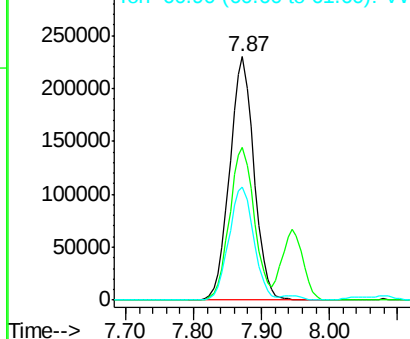
97 100

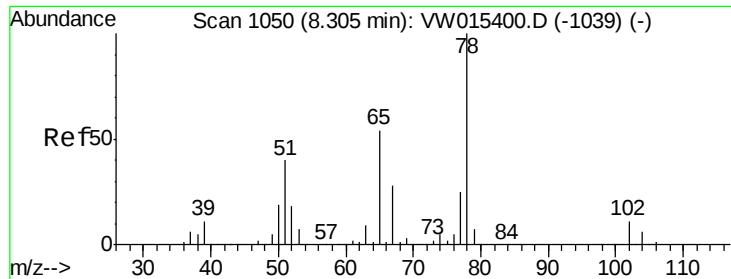
99 64.7 50.7 76.1

61 47.9 38.0 57.0



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





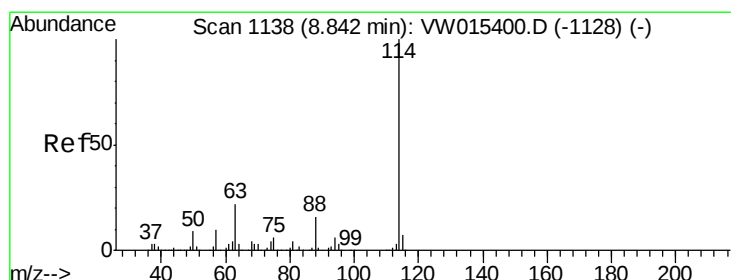
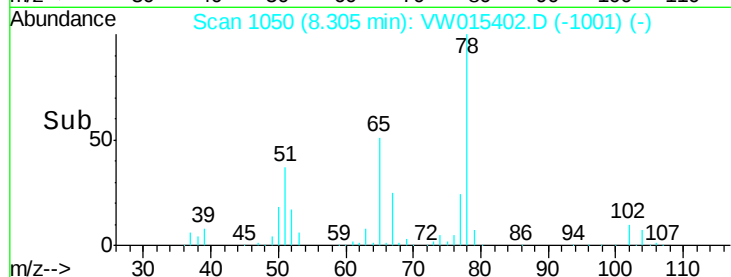
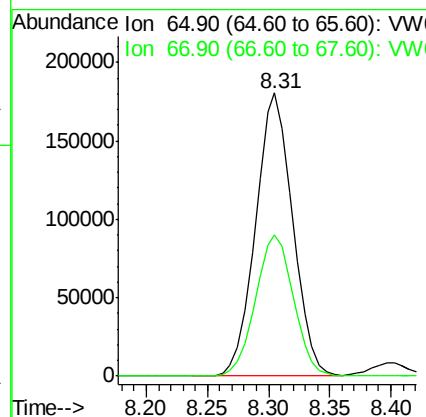
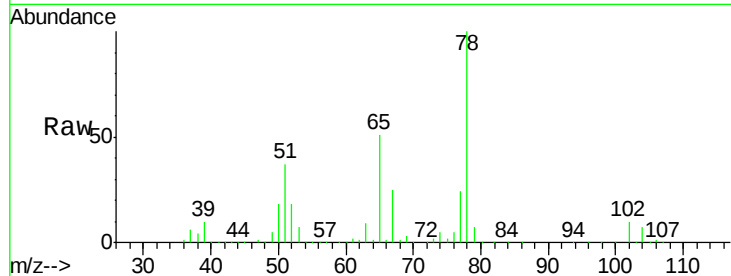
#33
 1,2-Dichloroethane-d4
 Concen: 186.701 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	380765		
67	51.0	0.0	102.8	

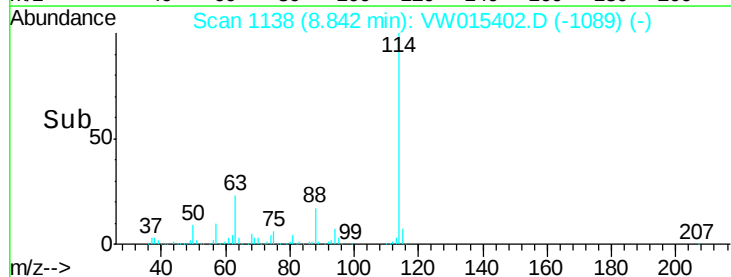
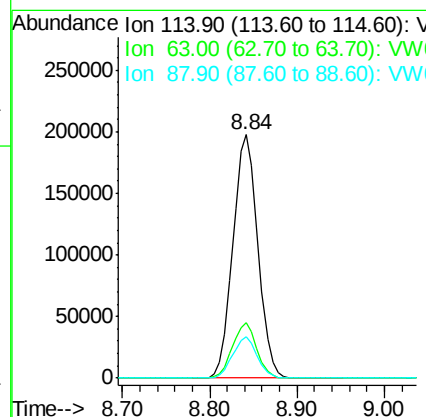
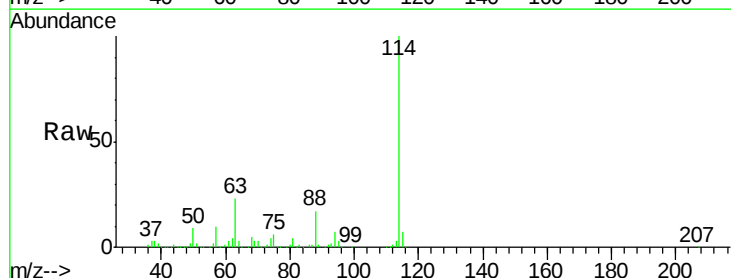
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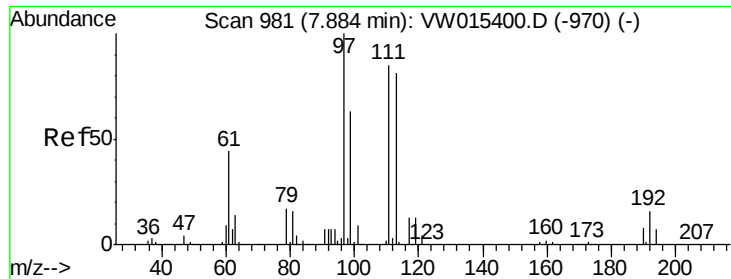
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390830		
63	22.8	0.0	43.4	
88	17.1	0.0	31.8	





#35

Dibromofluoromethane

Concen: 151.799 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

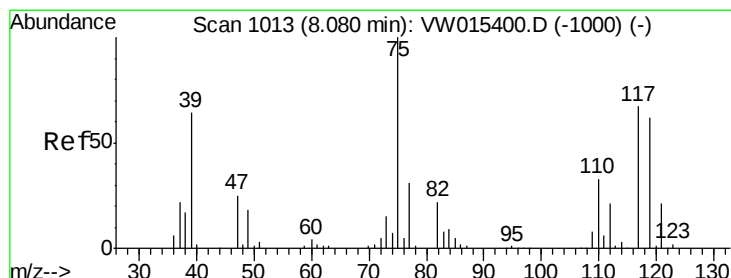
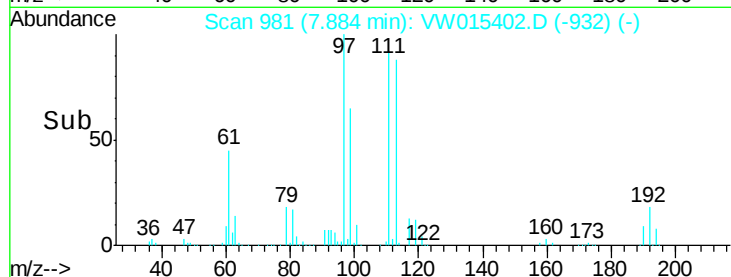
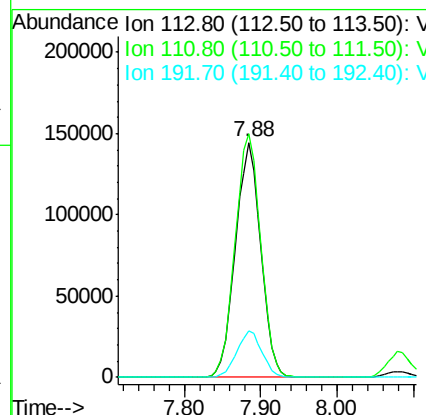
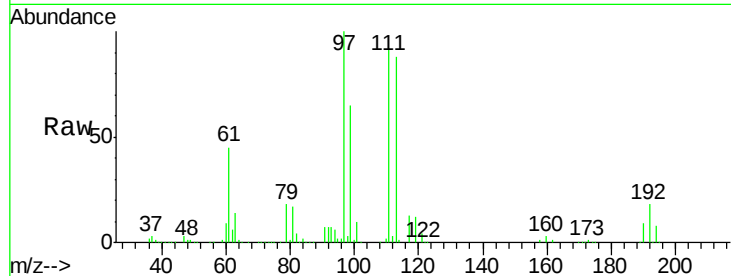
ClientSampled :

VSTDIC150

Tot Ion:	113	Resp:	330121
Ion Ratio	Lower	Upper	
113	100		
111	104.8	82.9	124.3
192	19.6	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 157.158 ug/l

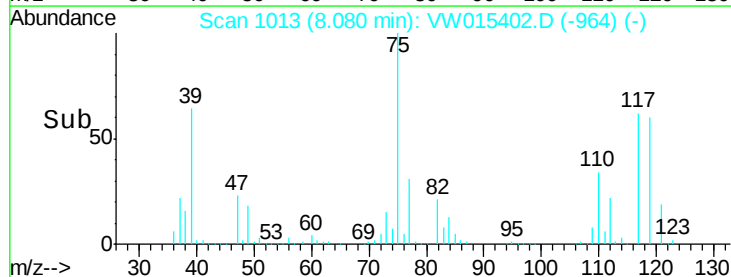
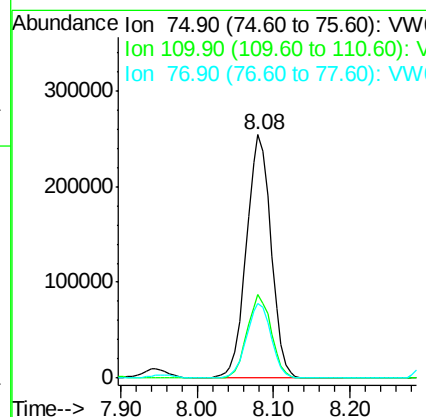
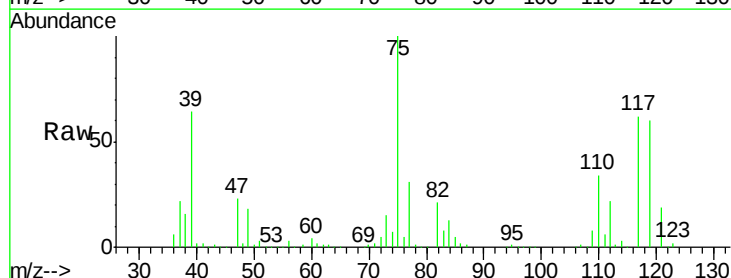
RT: 8.08 min Scan# 1013

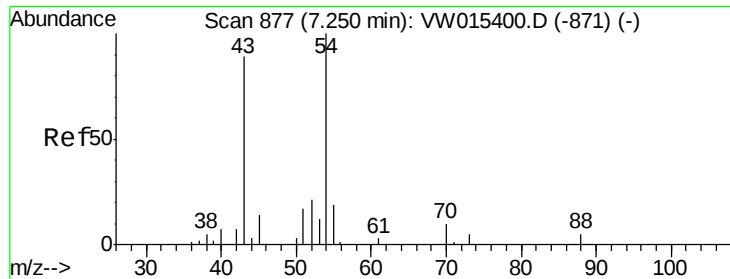
Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	75	Resp:	566334
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.6	49.8
77	30.9	24.5	36.7





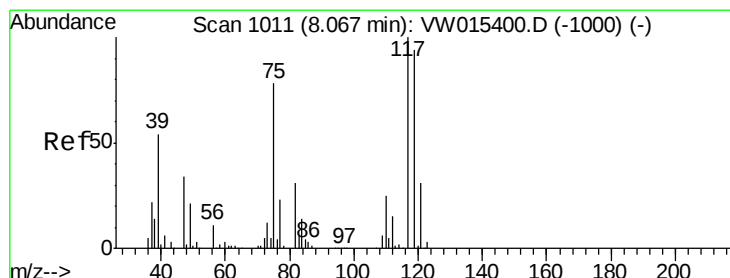
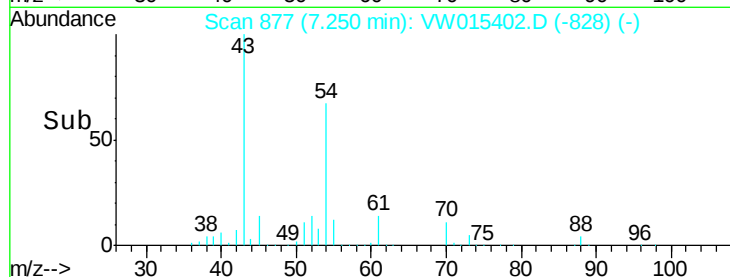
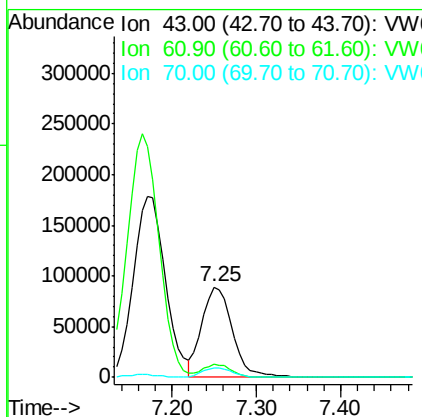
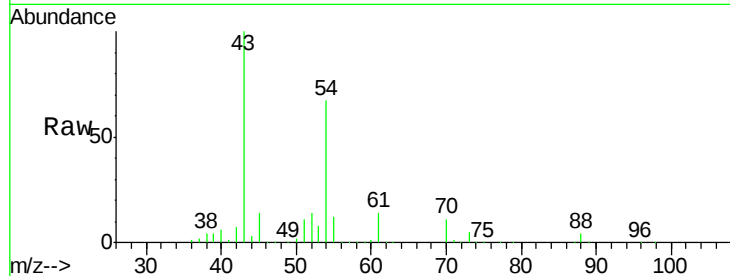
#37
Ethyl Acetate
Concen: 184.967 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	225105
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	10.6	8.0	12.0

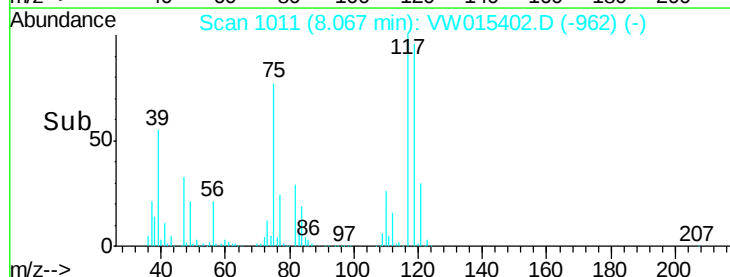
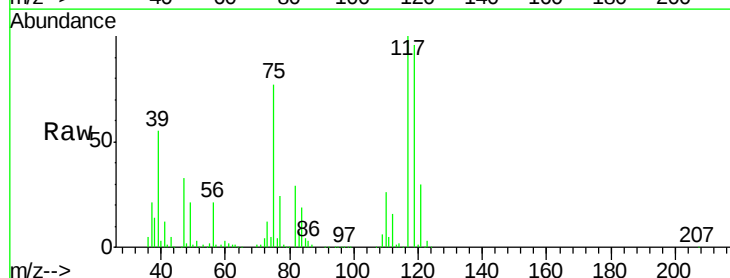
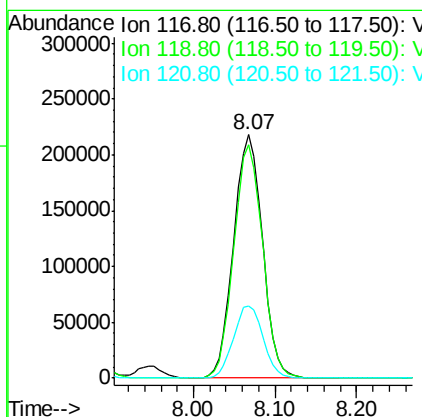
Manual Integrations
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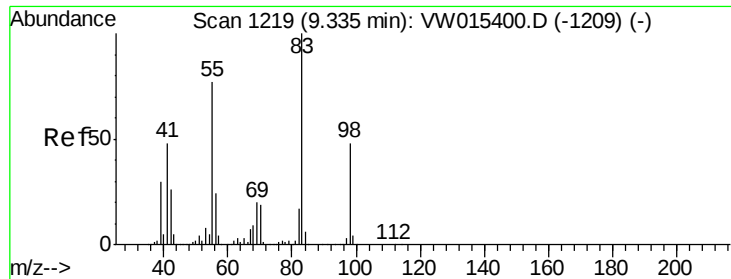
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#38
Carbon Tetrachloride
Concen: 138.456 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion:	117	Resp:	533177
Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.4	113.0
121	29.9	24.8	37.2





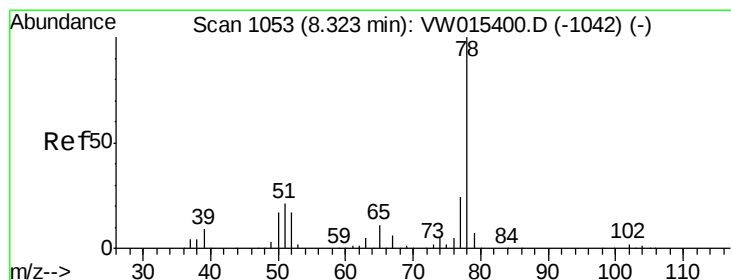
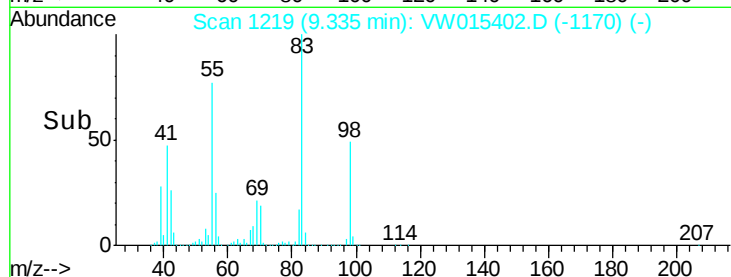
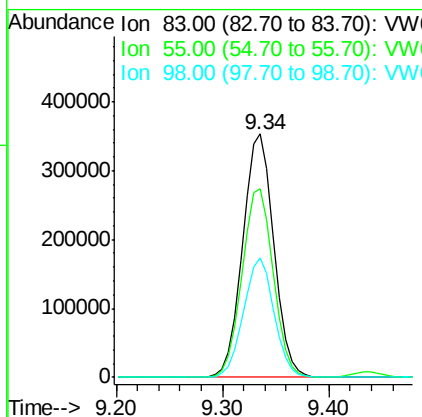
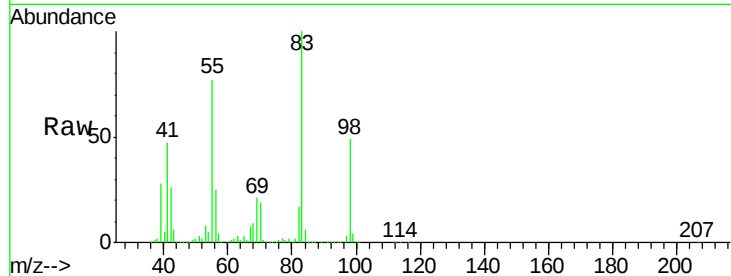
#39
Methvlcvclohexane
Concen: 152.468 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	49.0	38.2	57.2

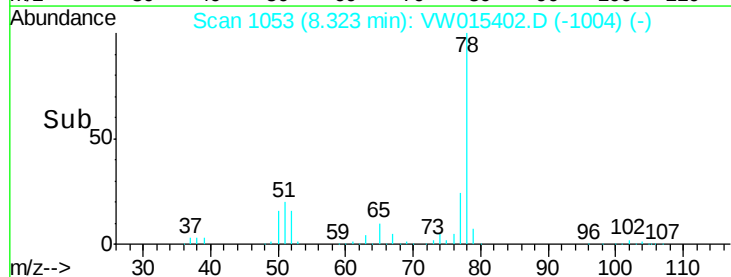
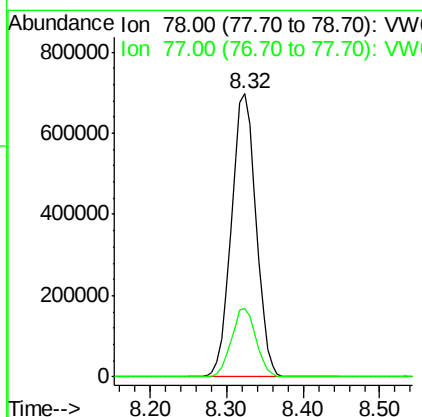
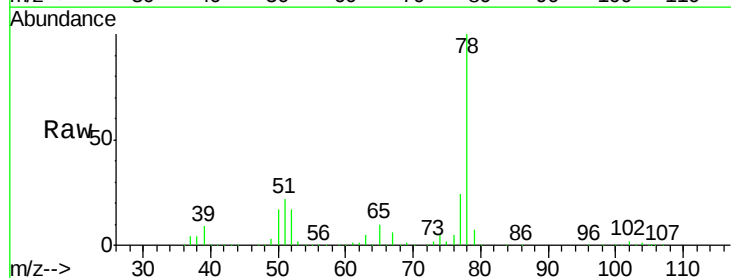
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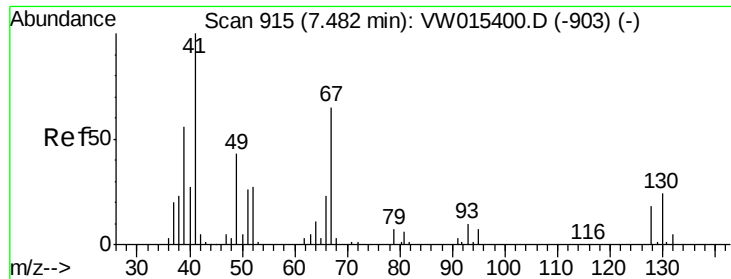
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#40
Benzene
Concen: 161.301 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 202.629 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

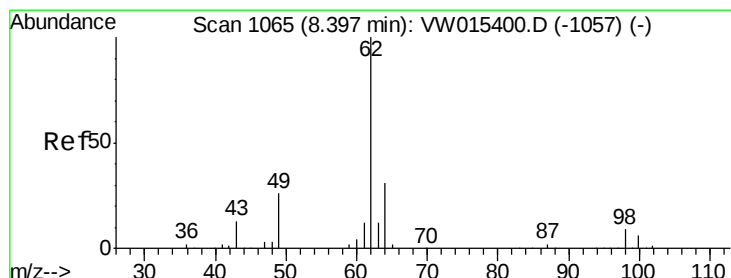
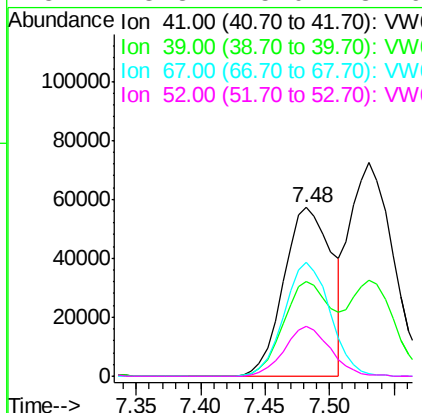
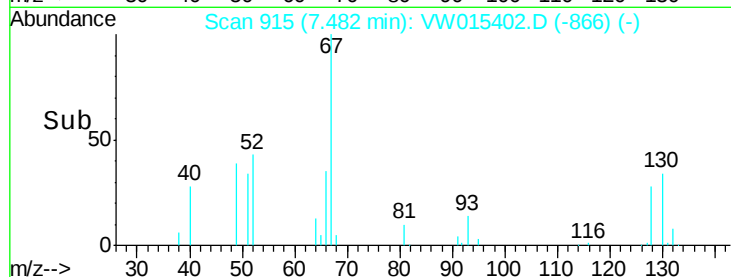
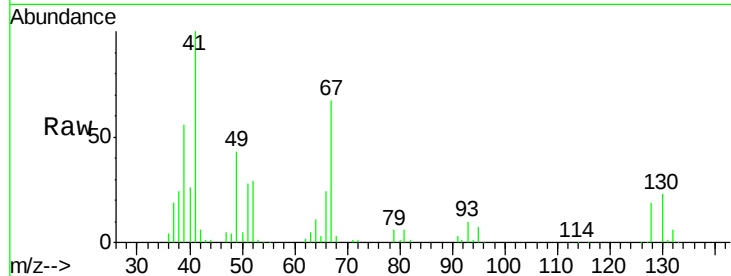
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.8	46.2	69.4		
67	64.4	56.2	84.2		
52	28.3	25.0	37.6		

Manual Integrations
APPROVED

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#42

1,2-Dichloroethane

Concen: 164.575 ug/l

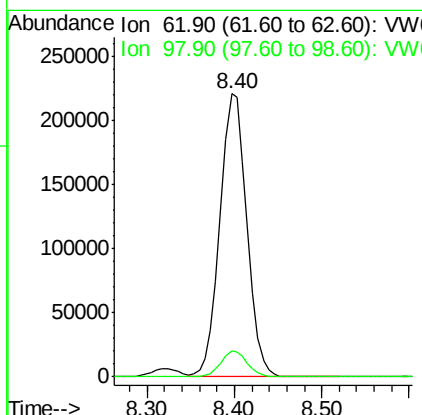
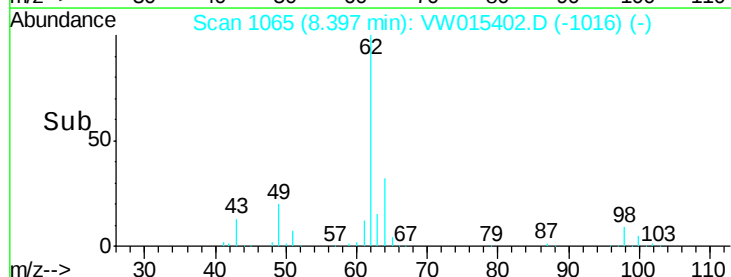
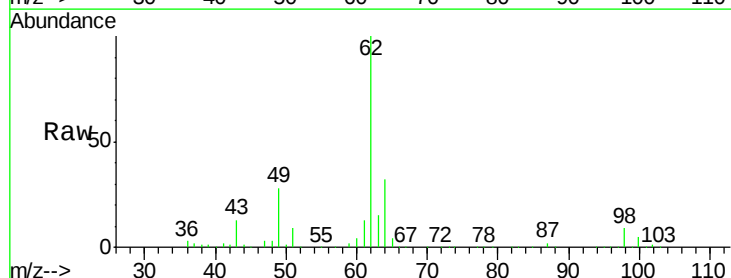
RT: 8.40 min Scan# 1065

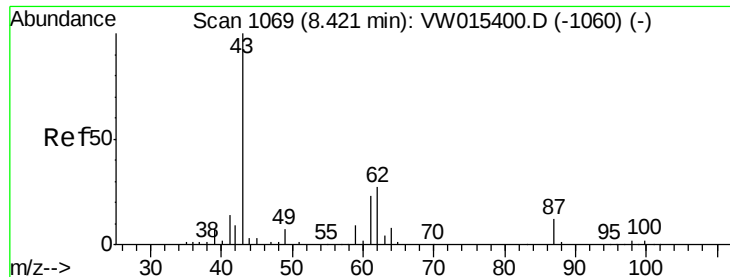
Delta R.T. -0.00 min

Lab File: VW015402.D

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





#43

Isopropyl Acetate

Concen: 185.463 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

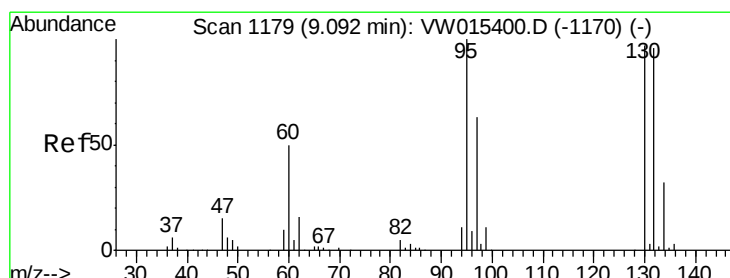
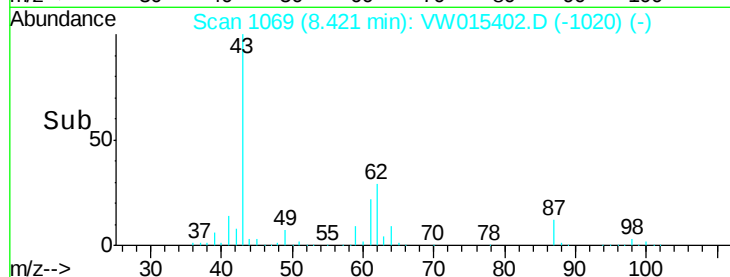
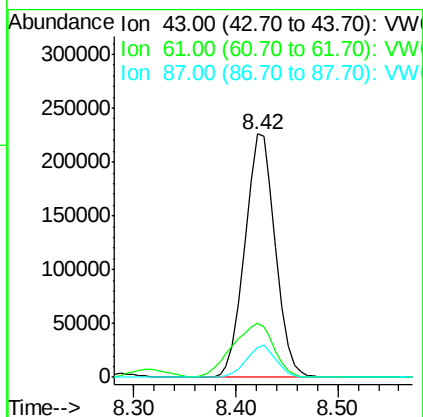
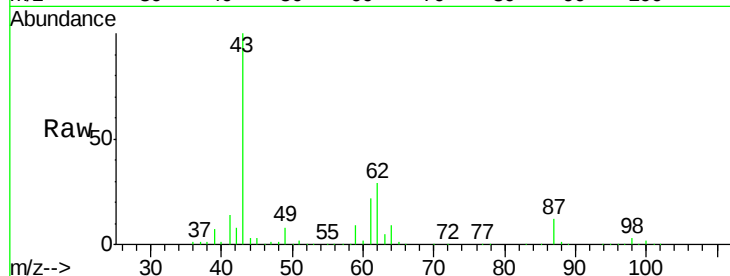
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	469063
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.3	36.5
87	12.8	10.1	15.1

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#44

Trichloroethene

Concen: 140.746 ug/l

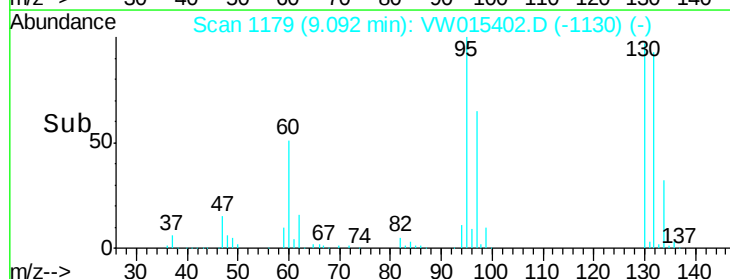
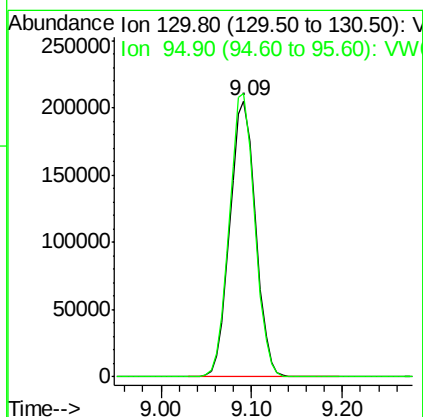
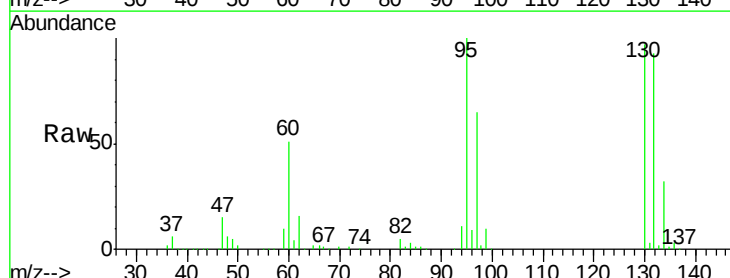
RT: 9.09 min Scan# 1179

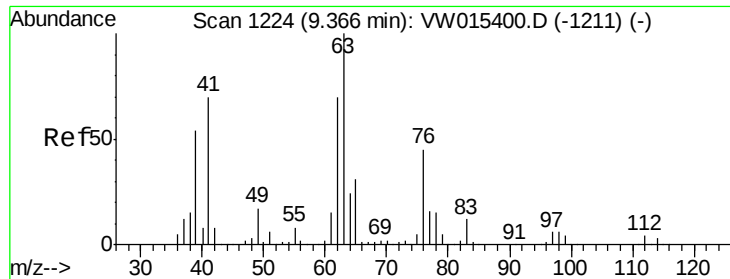
Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	130	Resp:	404059
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	205.8





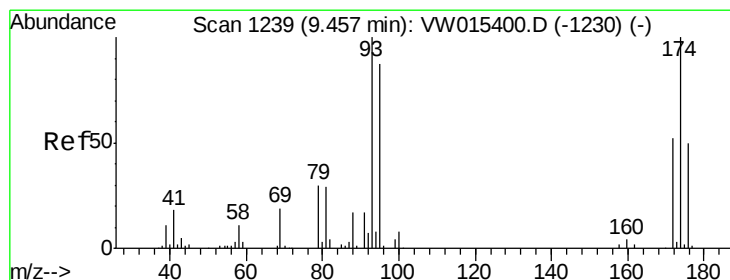
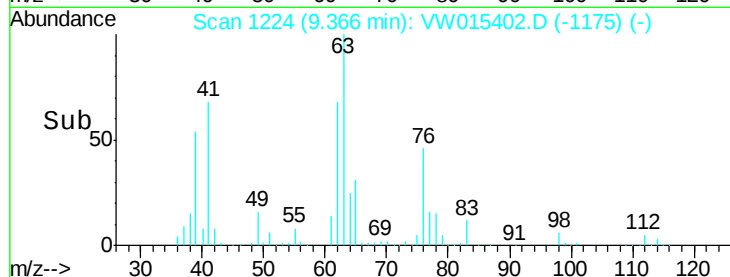
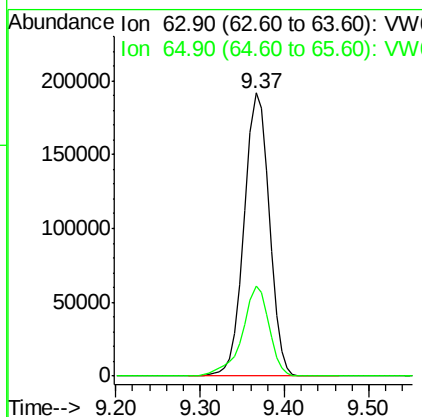
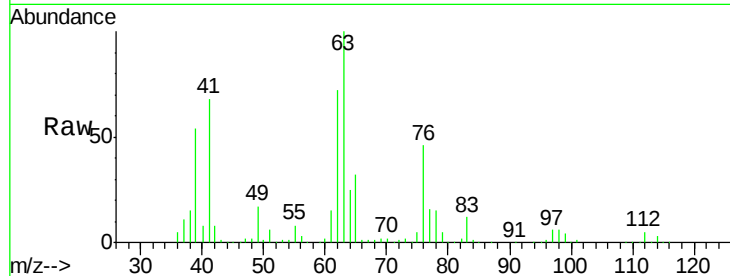
#45
 1,2-Dichloropropane
 Concen: 170.318 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.0	37.6

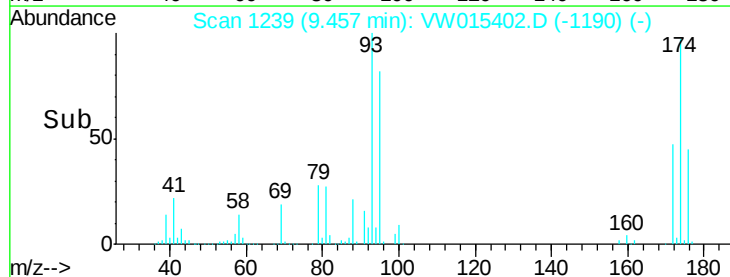
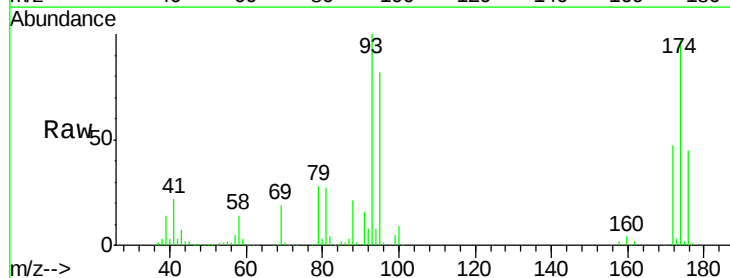
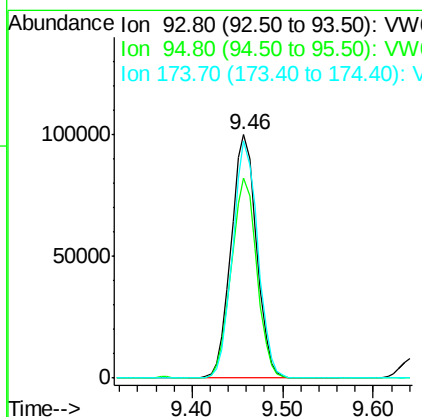
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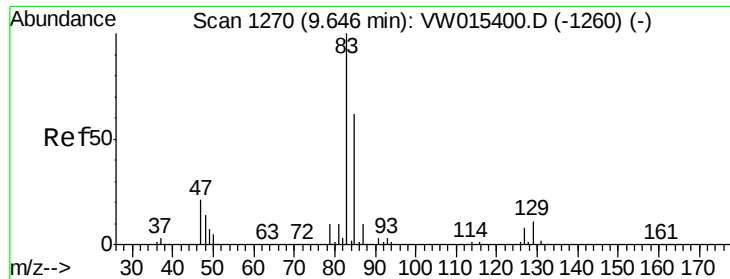
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#46
 Dibromomethane
 Concen: 151.971 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.0	100.4
174	96.2	78.4	117.6





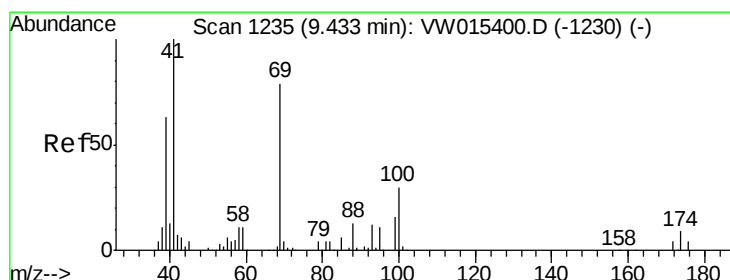
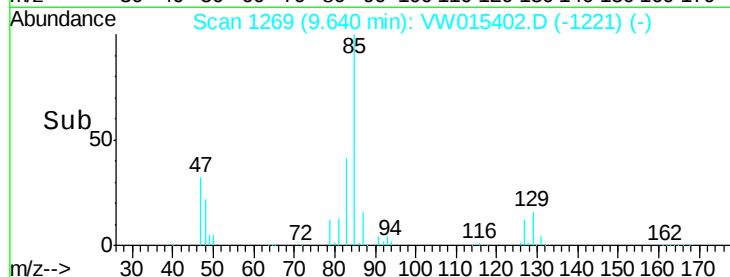
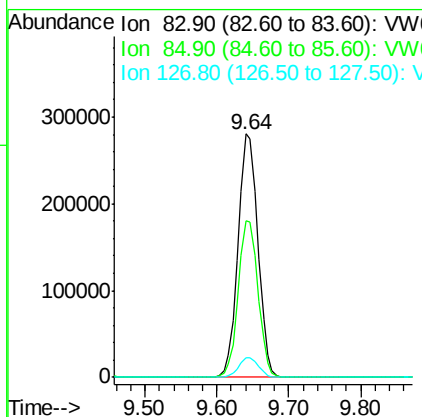
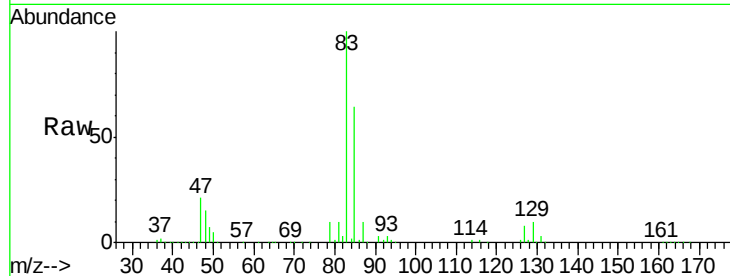
#47
 Bromodichloromethane
 Concen: 155.595 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	534319
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	49.4	74.0
127	8.0	6.4	9.6

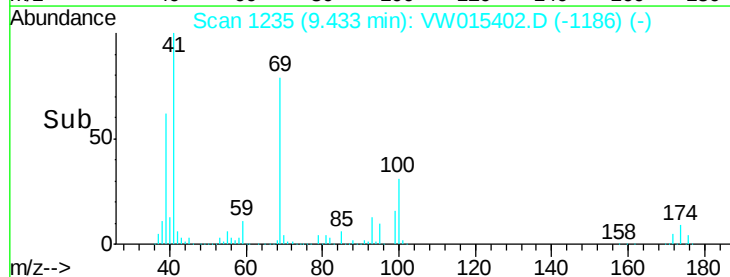
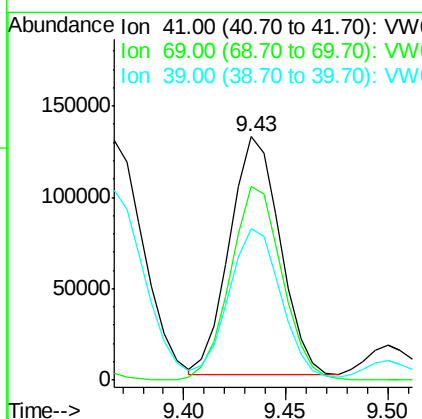
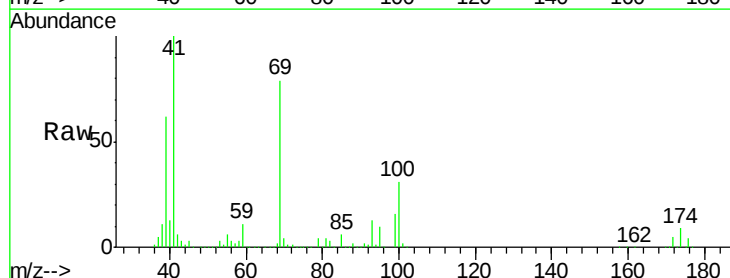
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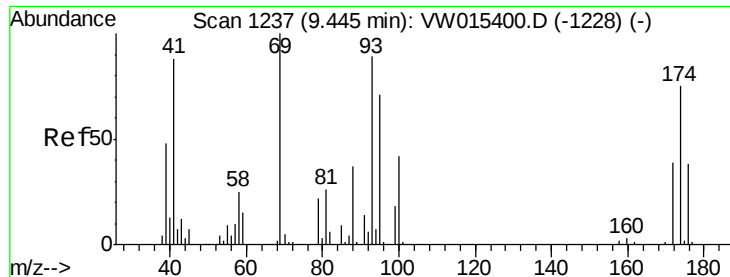
MMDadoda
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#48
 Methyl methacrylate
 Concen: 187.657 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	41	Resp	223290
Ion Ratio	100	Lower	Upper
41	100		
69	83.7	66.2	99.4
39	64.0	51.1	76.7





#49

1,4-Dioxane

Concen: 2766.700 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 46735

Ion Ratio Lower Upper

88 100

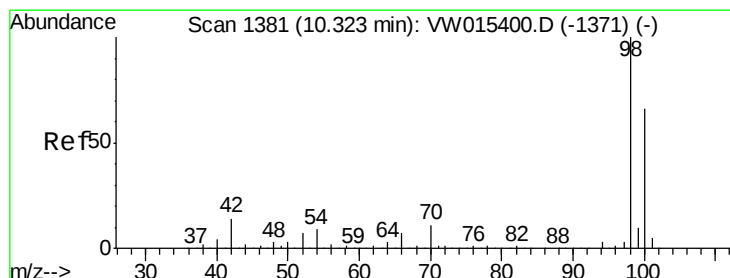
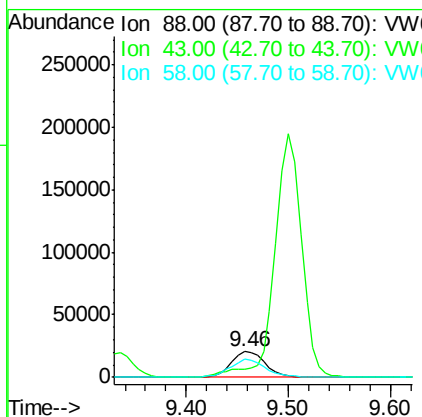
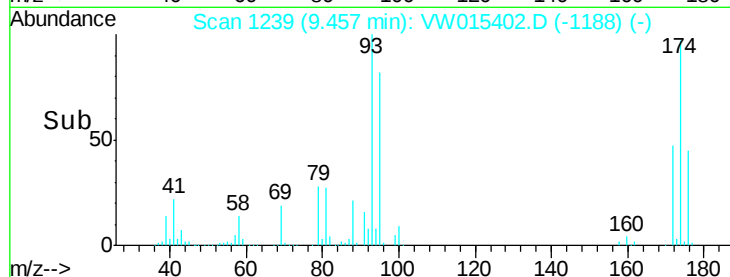
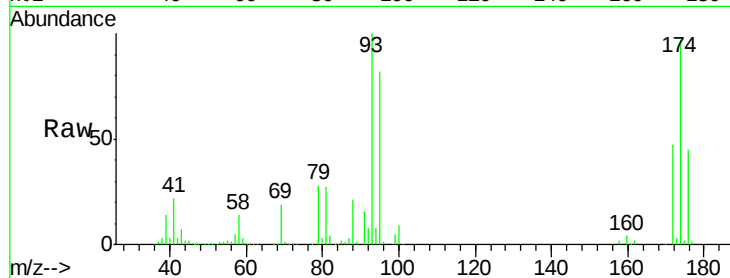
43 0.0 30.6 45.8#

58 75.2 56.3 84.5

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#50

Toluene-d8

Concen: 149.930 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015402.D

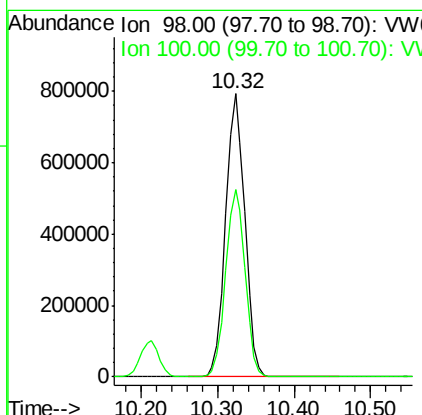
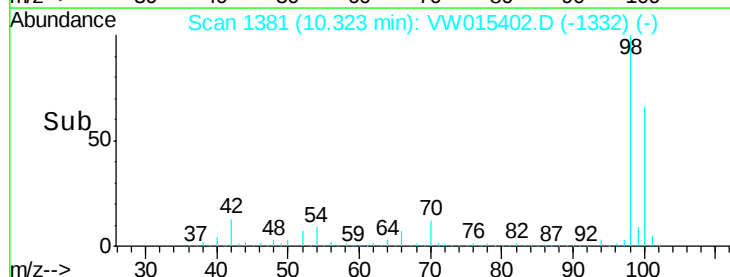
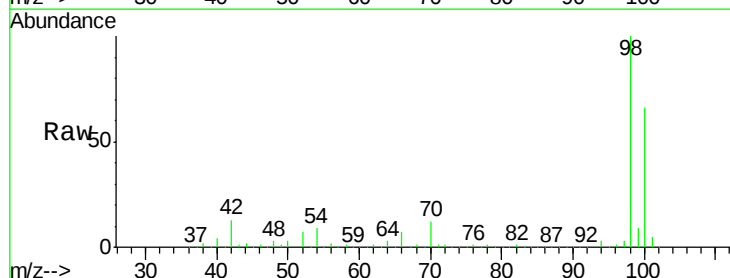
Acq: 05 May 2020 18:15

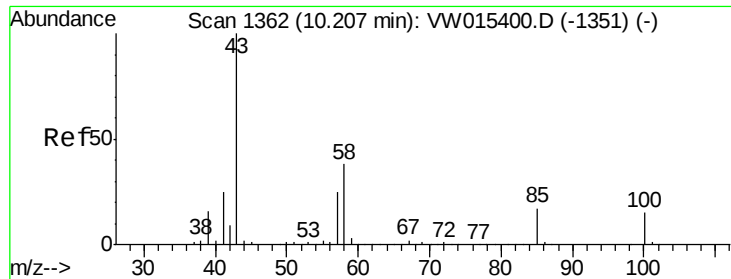
Tgt Ion: 98 Resp: 1368740

Ion Ratio Lower Upper

98 100

100 67.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 927.160 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1105051

Ion Ratio Lower Upper

43 100

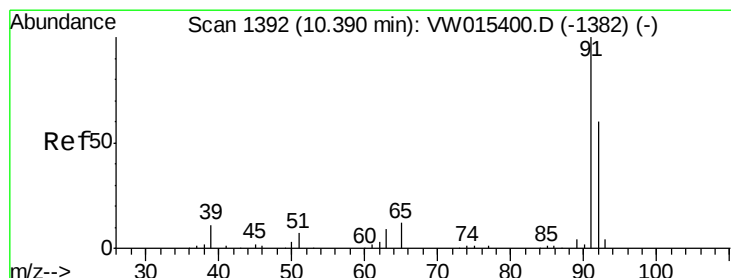
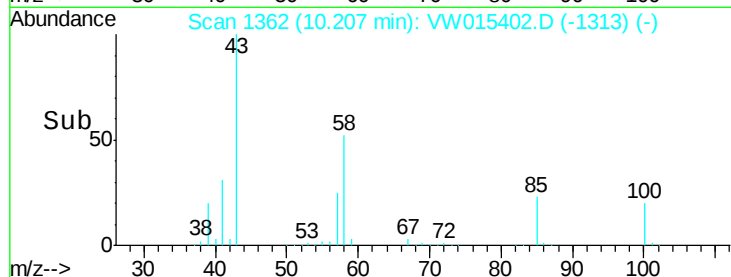
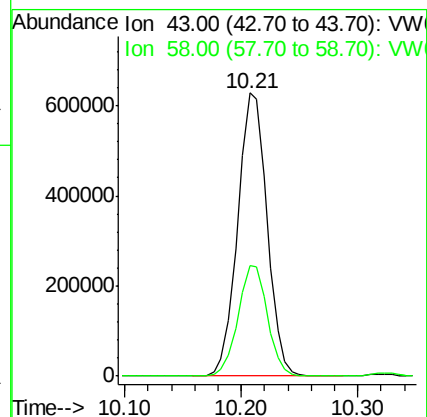
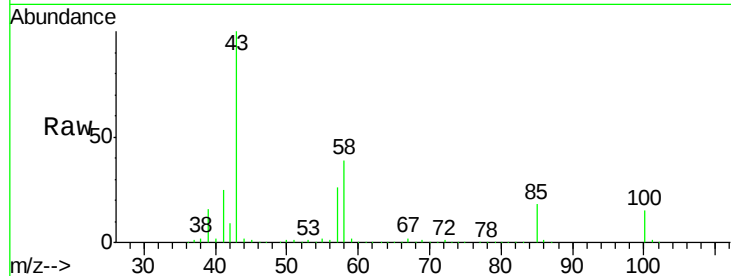
58 38.9 30.8 46.2

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#52

Toluene

Concen: 153.825 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015402.D

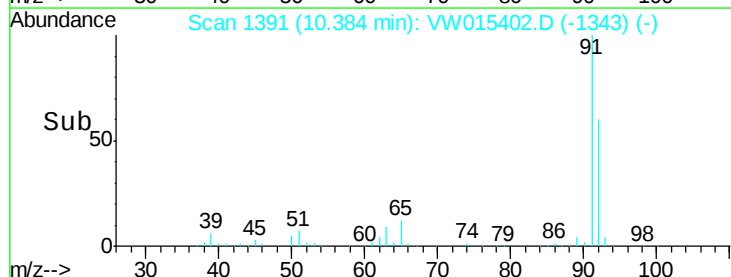
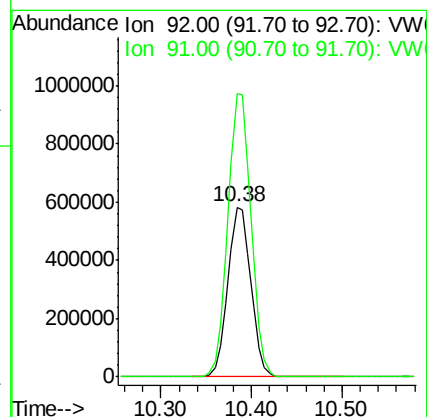
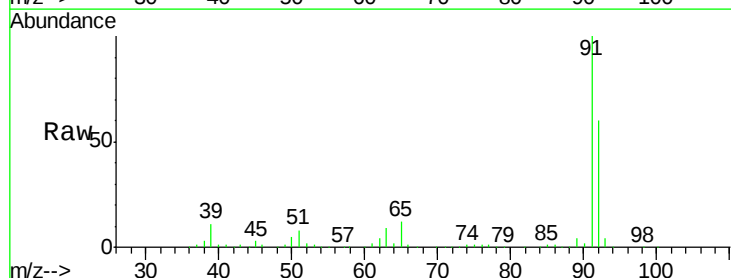
Acq: 05 May 2020 18:15

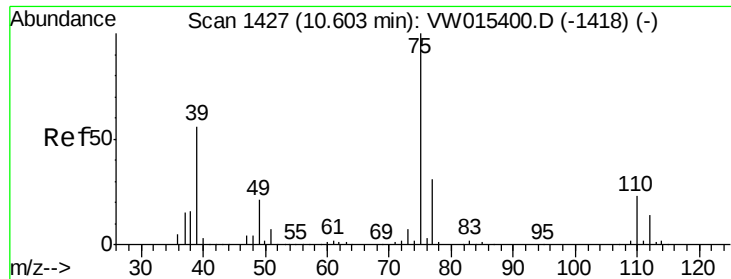
Tgt Ion: 92 Resp: 1024172

Ion Ratio Lower Upper

92 100

91 168.7 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 165.156 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 561315

Ion Ratio Lower Upper

75 100

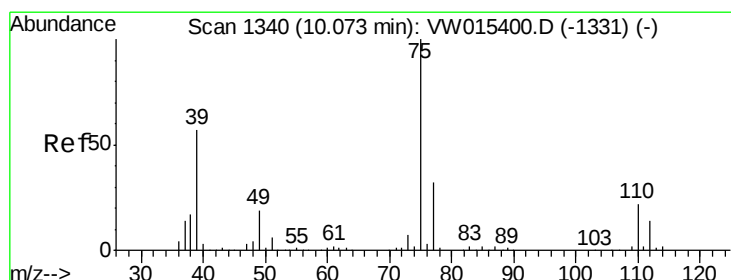
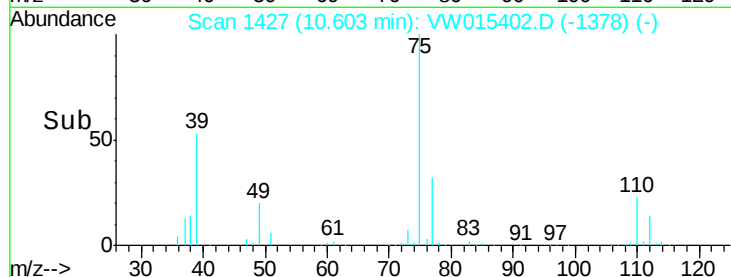
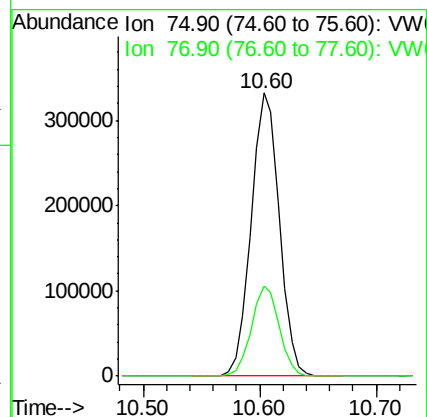
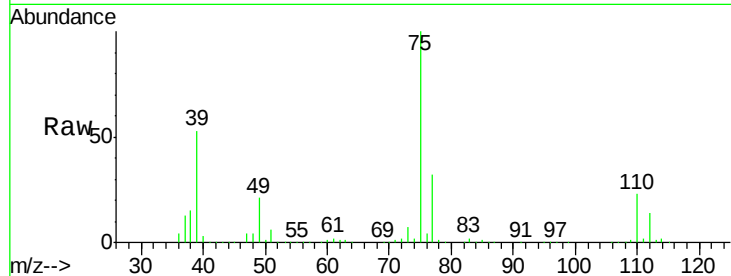
77 31.9 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 163.662 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

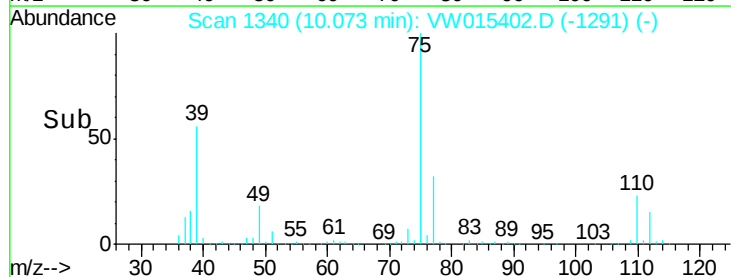
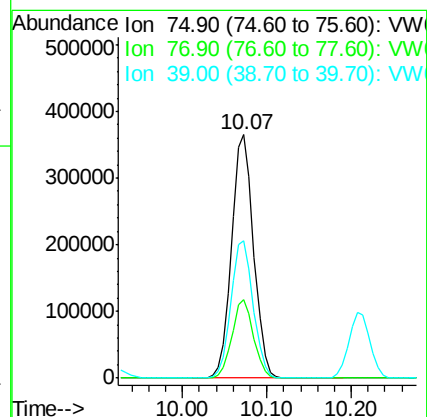
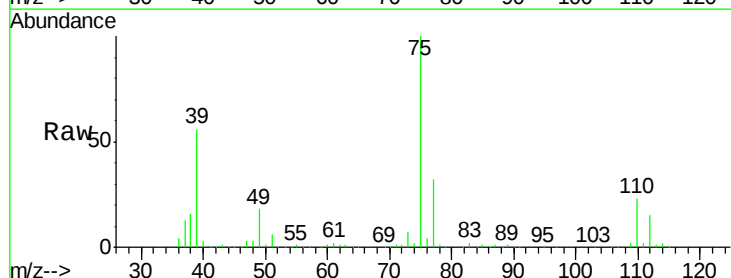
Tgt Ion: 75 Resp: 648406

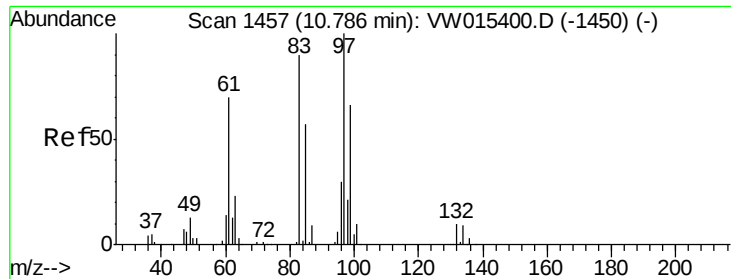
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 56.3 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 152.737 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

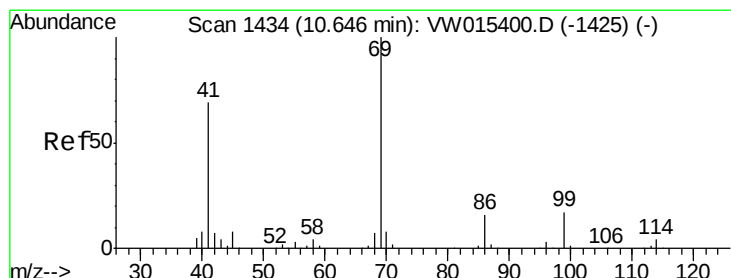
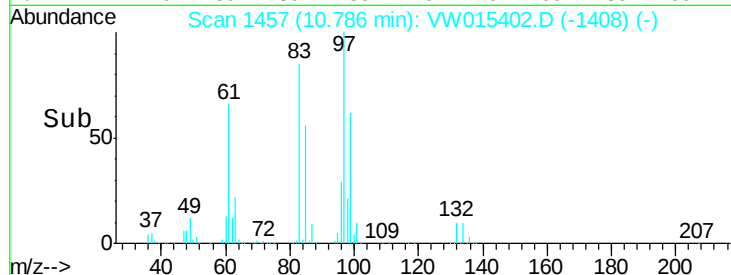
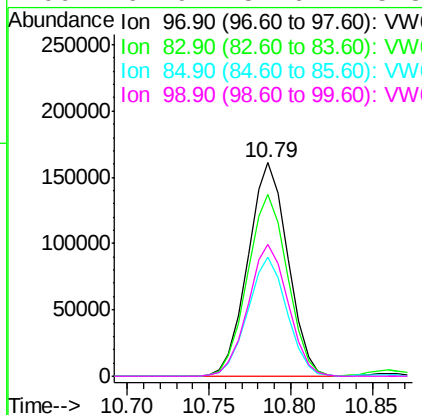
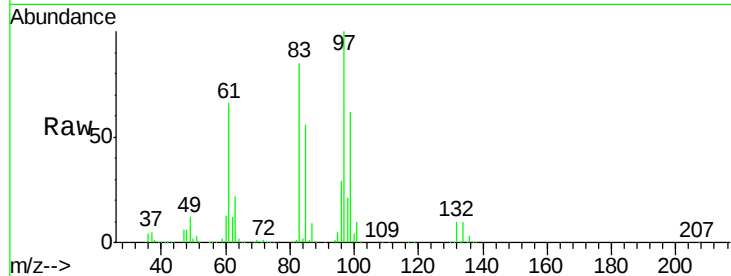
ClientSampleId :

VSTDIC150

Tot Ion	97	Resp	273795
Ion	Ratio	Lower	Upper
97	100		
83	85.0	72.2	108.4
85	55.9	45.2	67.8
99	61.9	52.6	78.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 166.737 ug/l

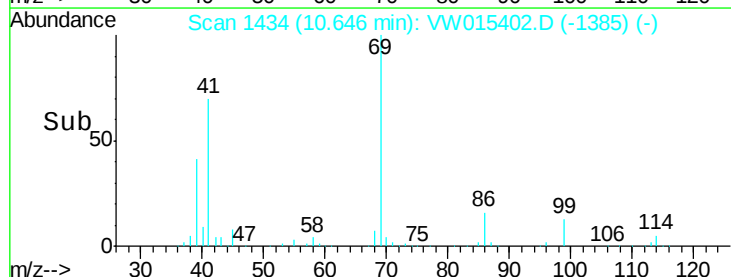
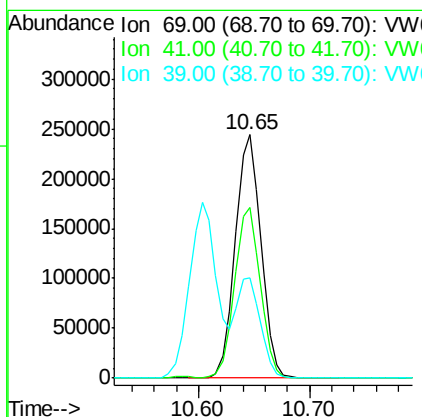
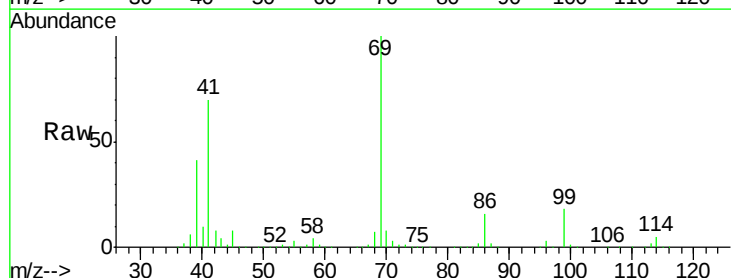
RT: 10.65 min Scan# 1434

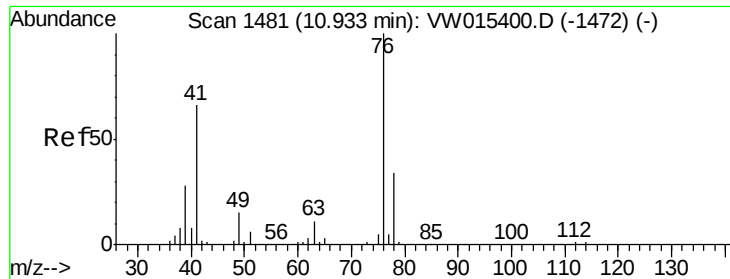
Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion	69	Resp	389726
Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.3	82.9
39	38.2	31.9	47.9





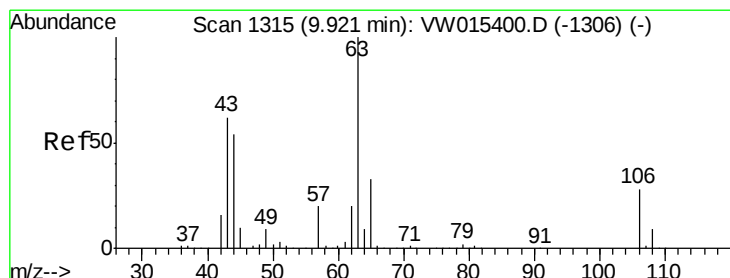
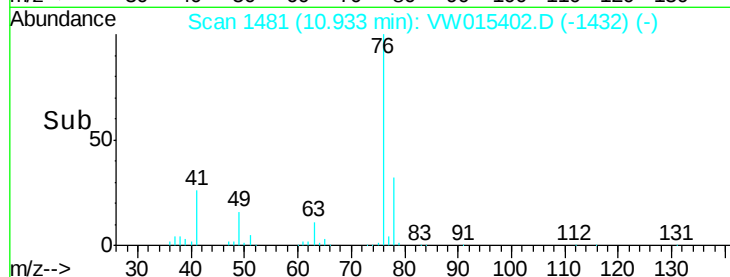
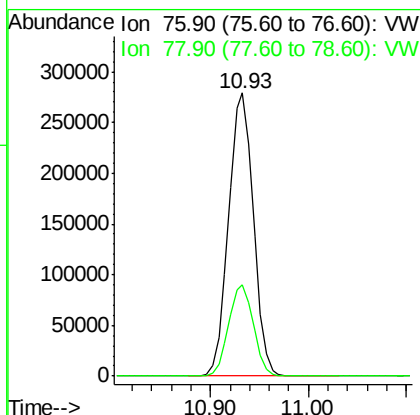
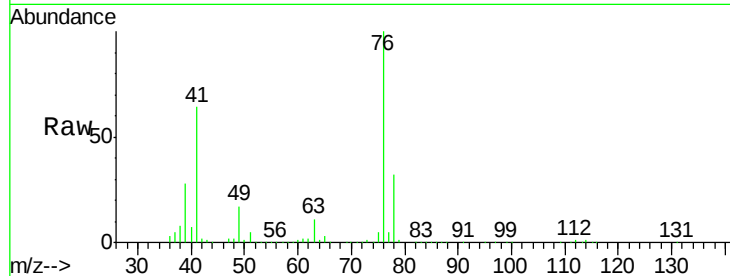
#57
 1,3-Dichloropropane
 Concen: 162.957 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

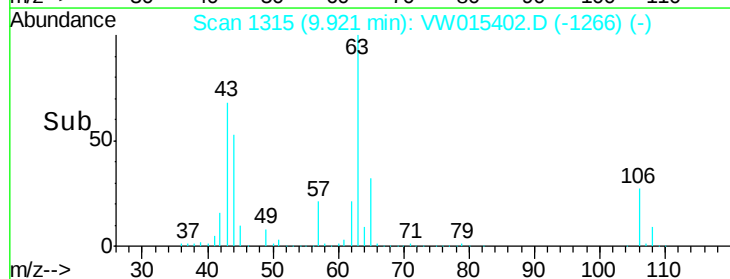
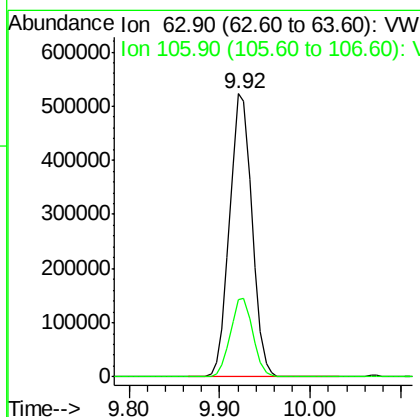
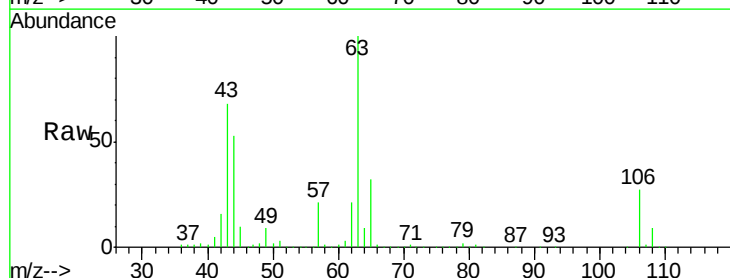
Manual Integrations
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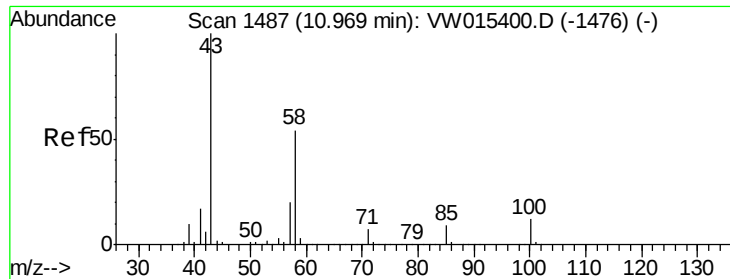
MMDadoda
 5/6/2020 12:12:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 826.091 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.6	33.8





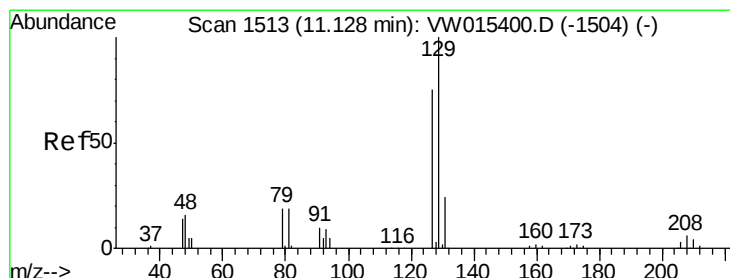
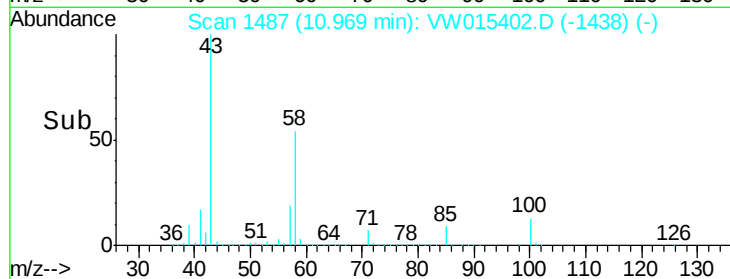
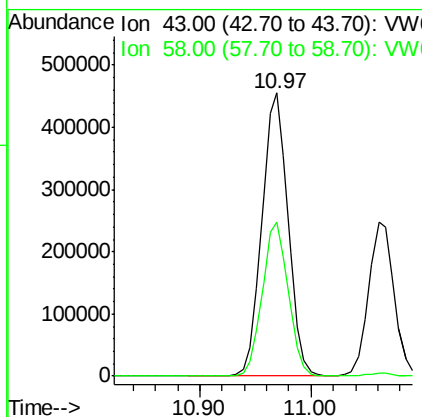
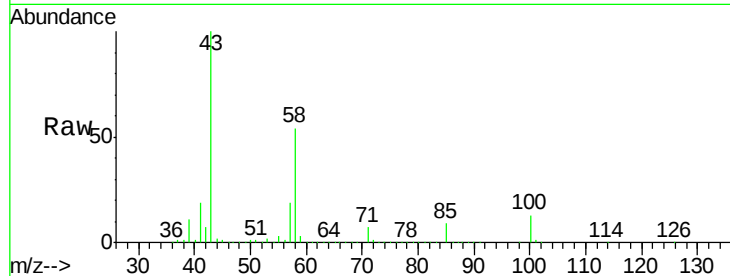
#59
2-Hexanone
Concen: 887.725 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 747310
Ion Ratio Lower Upper
43 100
58 53.9 26.7 80.0

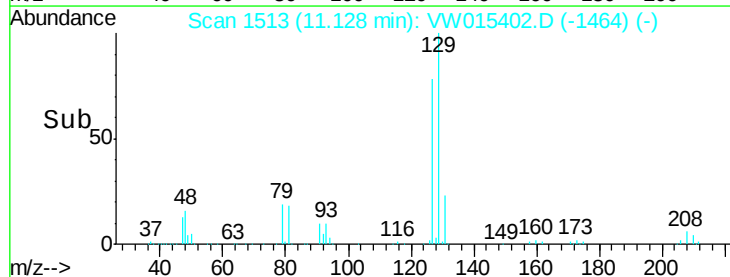
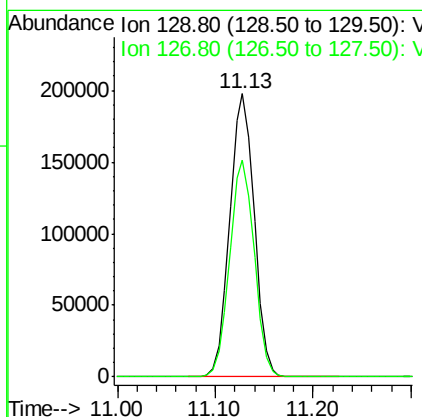
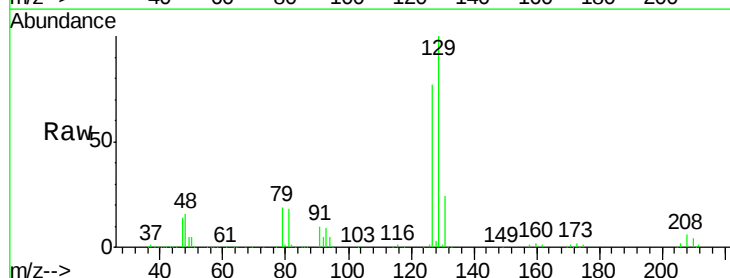
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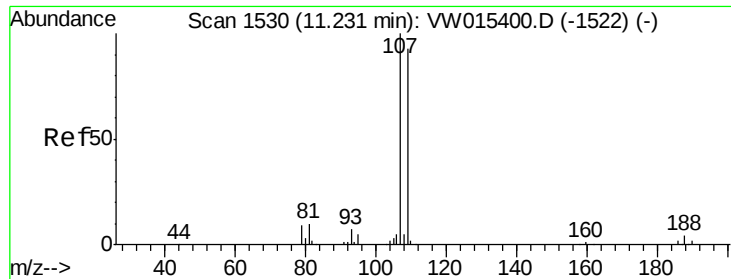
MMDadoda
5/6/2020 12:12:07 PM



#60
Dibromochloromethane
Concen: 147.213 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion: 129 Resp: 343418
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 150.760 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 262653

Ion Ratio Lower Upper

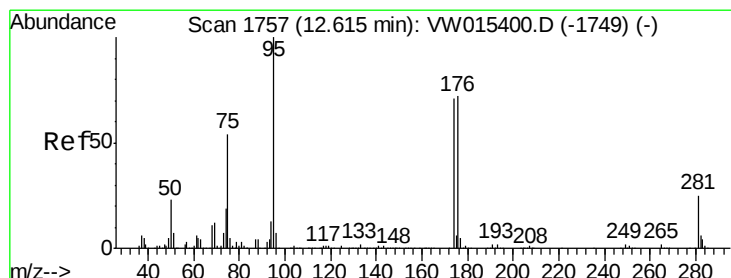
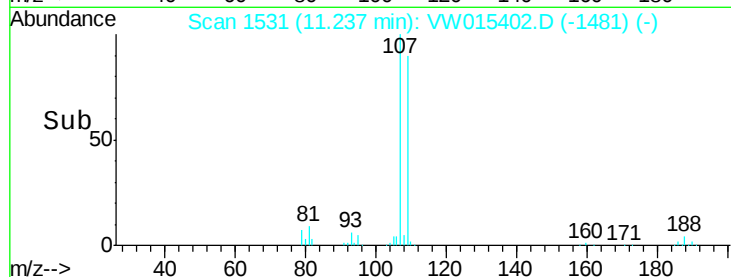
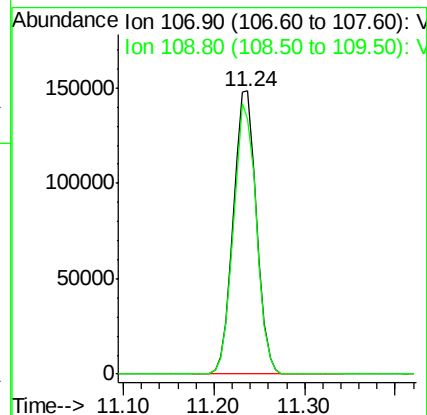
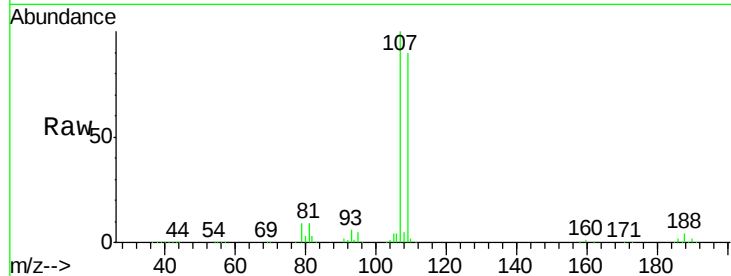
107 100

109 94.3 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 147.140 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

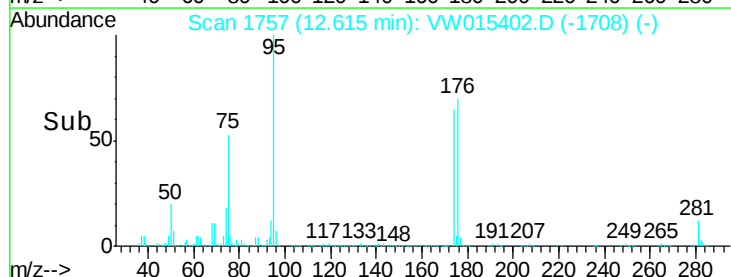
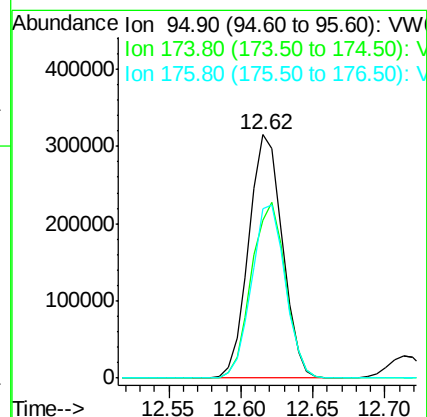
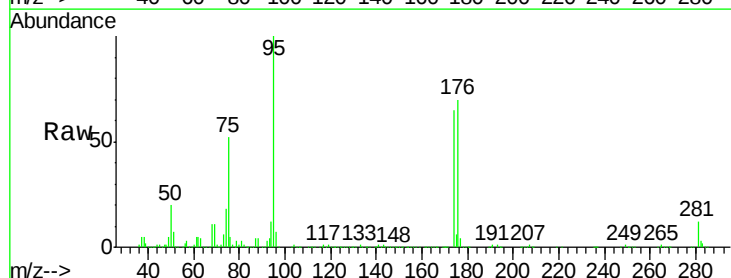
Tgt Ion: 95 Resp: 509641

Ion Ratio Lower Upper

95 100

174 73.0 0.0 147.6

176 71.2 0.0 144.4





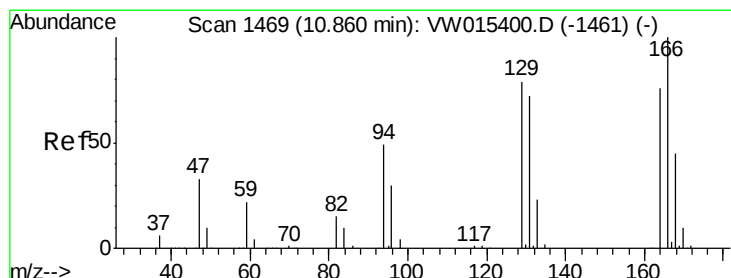
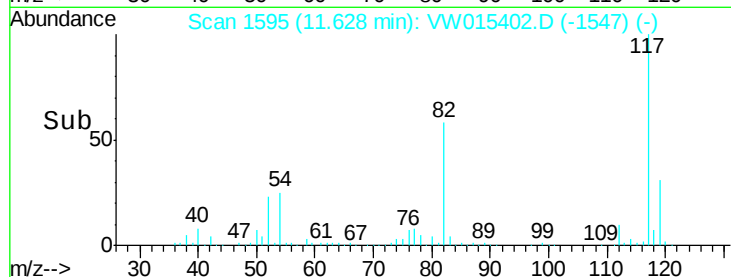
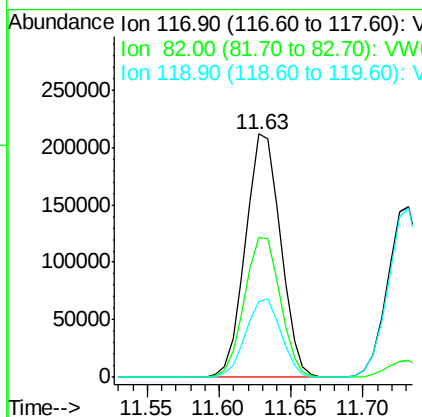
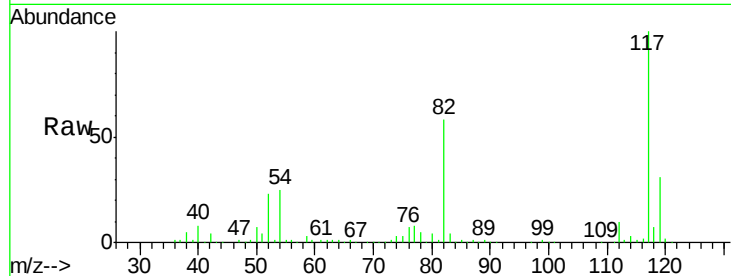
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.4	69.6
119	31.3	24.6	37.0

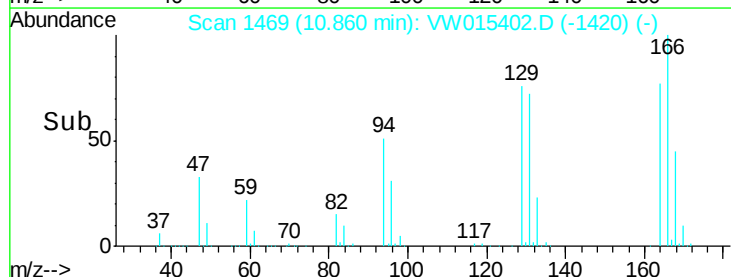
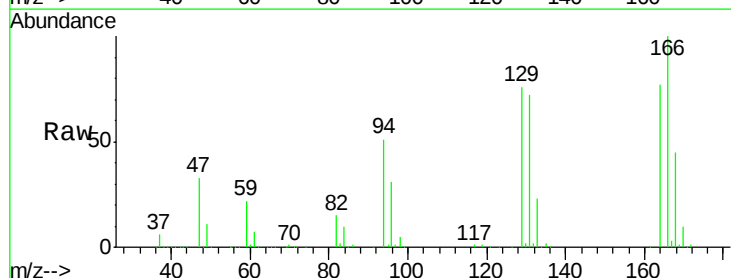
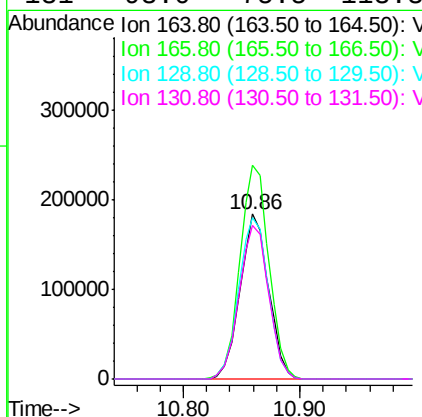
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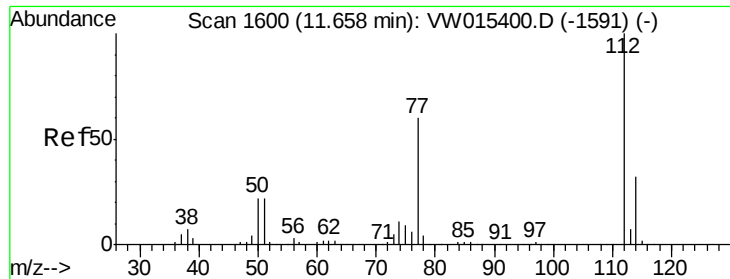
MMDadoda
5/6/2020 12:12:07 PM



#64
Tetrachloroethene
Concen: 124.143 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.9	157.3
129	98.1	82.7	124.1
131	93.0	75.5	113.3





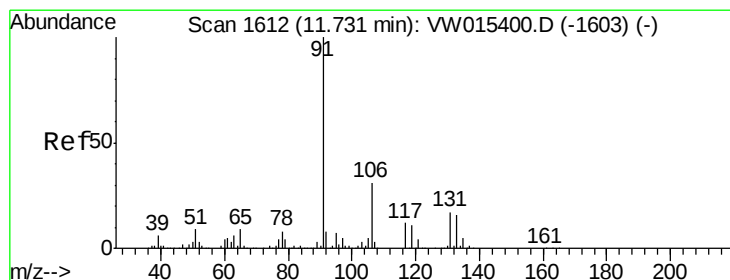
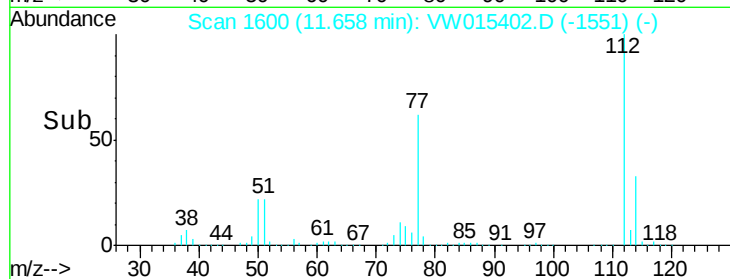
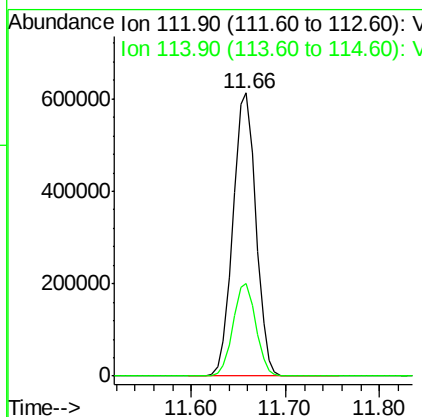
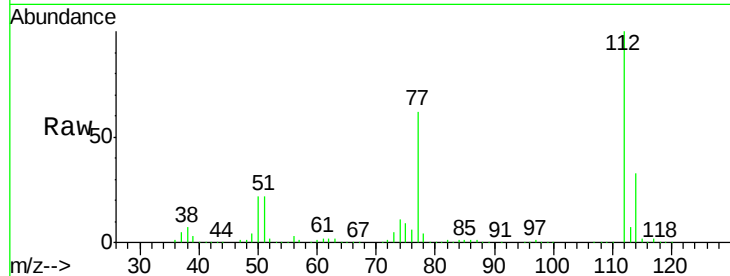
#65
Chlorobenzene
Concen: 146.804 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1036733
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

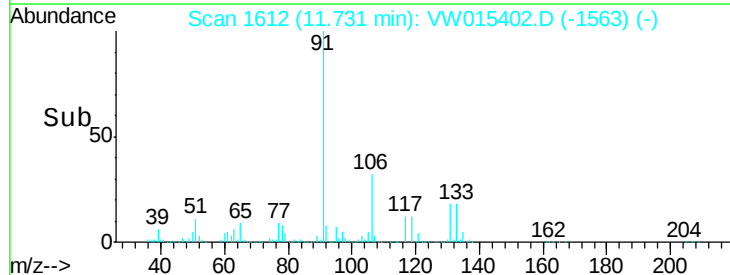
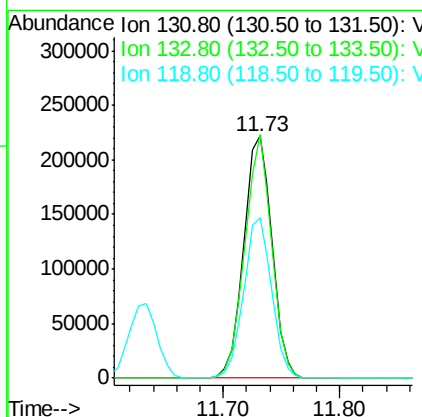
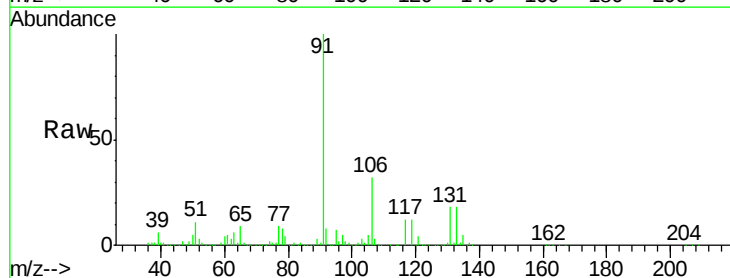
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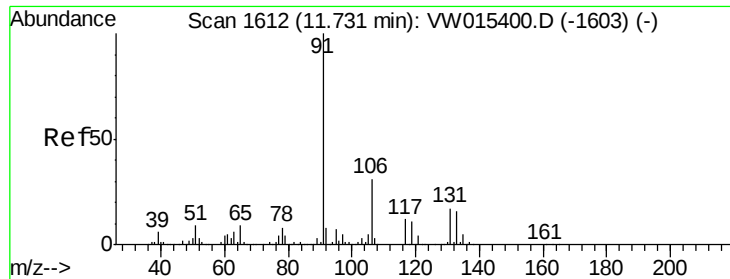
MMDadoda
5/6/2020 12:12:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 148.429 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion:131 Resp: 376151
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 65.6 33.0 99.0





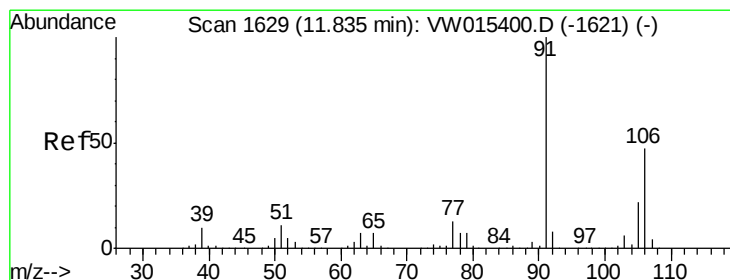
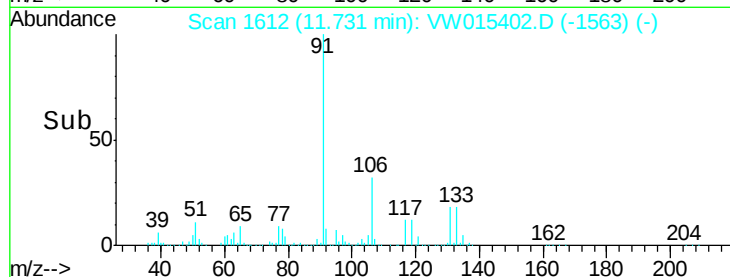
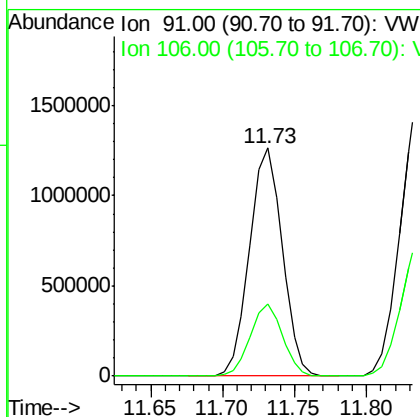
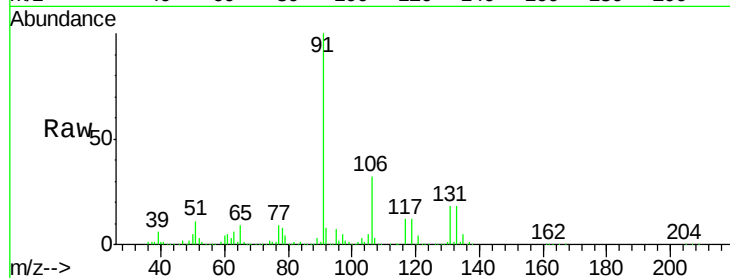
#67
Ethyl Benzene
Concen: 150.361 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1988207
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

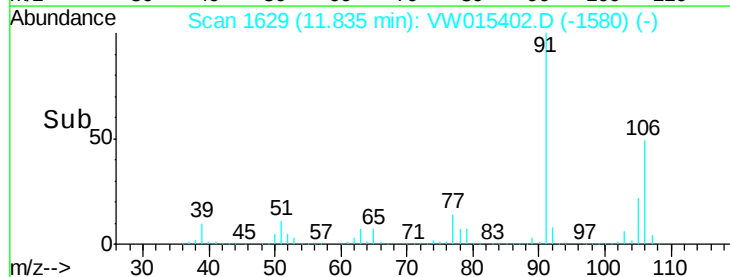
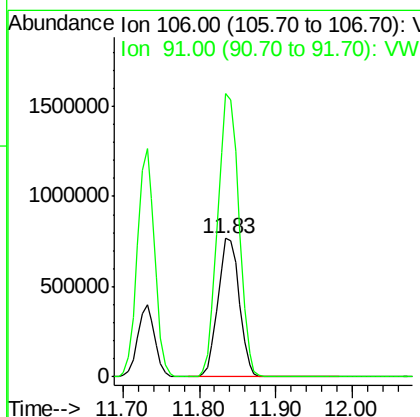
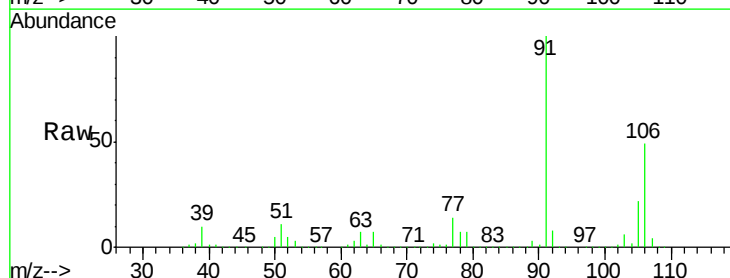
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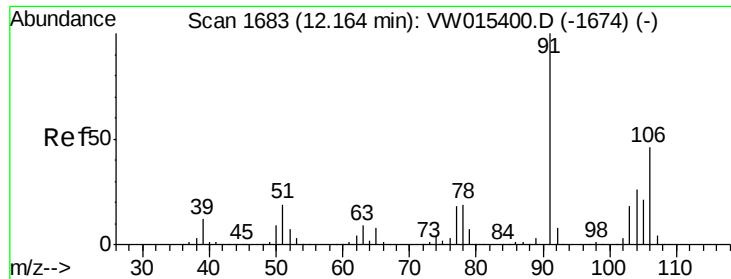
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#68
m/p-Xylenes
Concen: 288.959 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion:106 Resp: 1482139
Ion Ratio Lower Upper
106 100
91 204.2 165.7 248.5





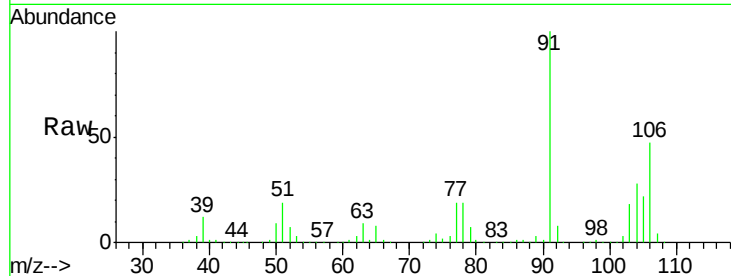
#69
o-Xylene
Concen: 148.518 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

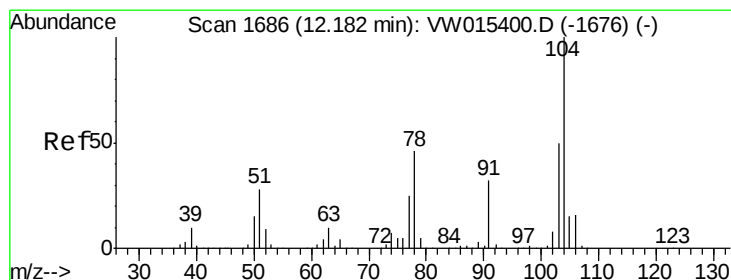
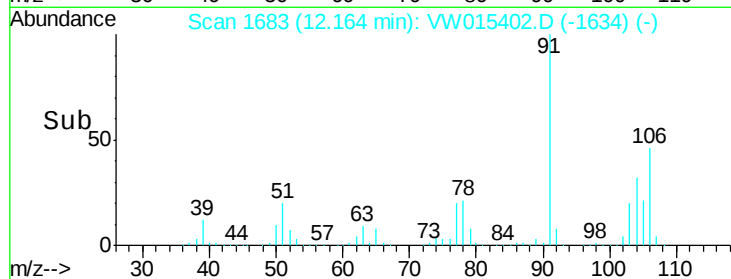
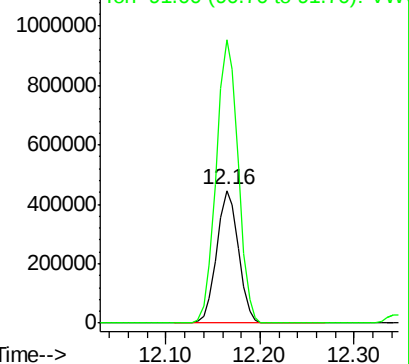
Tot Ion:106 Resp: 713595
Ion Ratio Lower Upper
106 100
91 215.4 109.0 327.0

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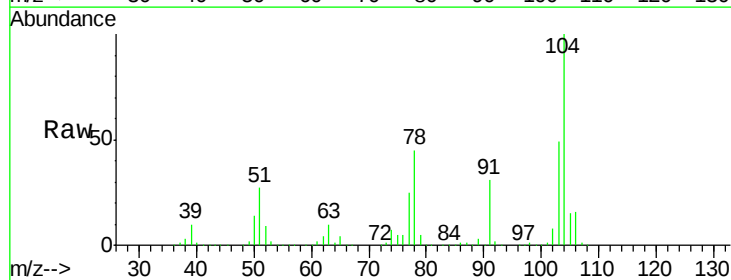


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

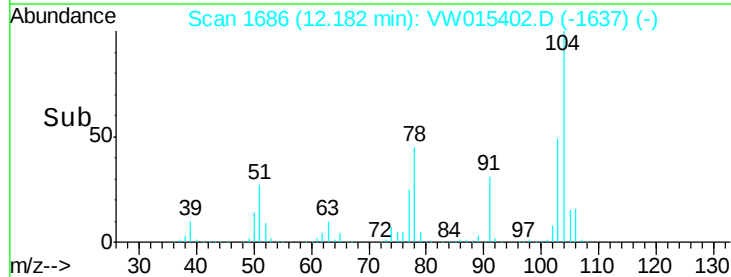
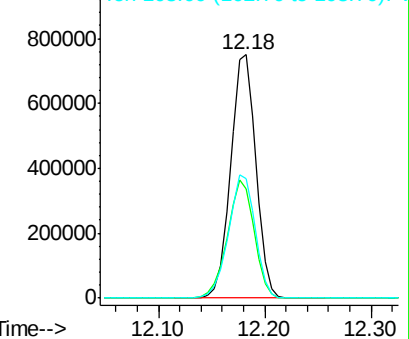


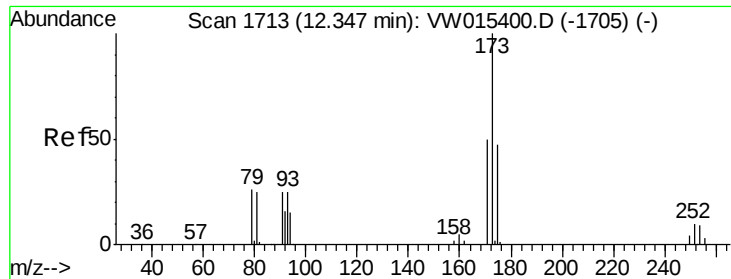
#70
Styrene
Concen: 152.045 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion:104 Resp: 1247199
Ion Ratio Lower Upper
104 100
78 51.4 41.8 62.8
103 53.8 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 136.961 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

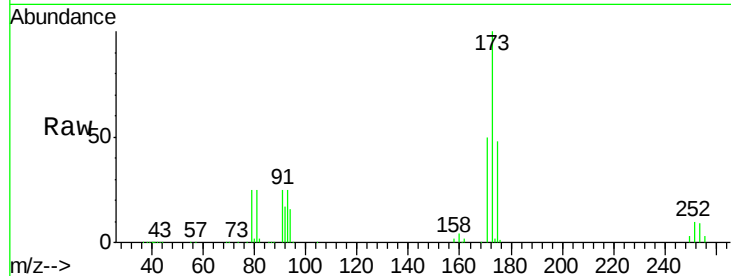
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.4
254	0.1	0.0	0.0

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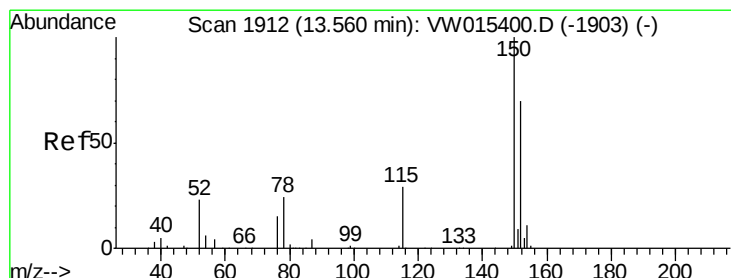
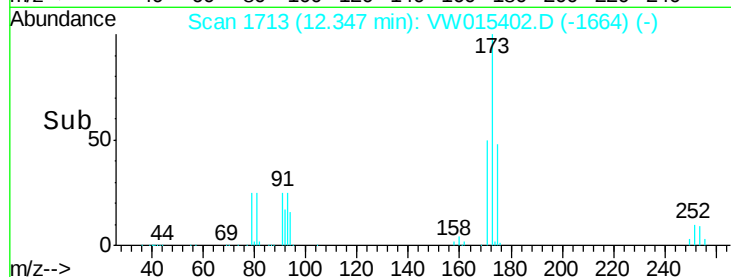
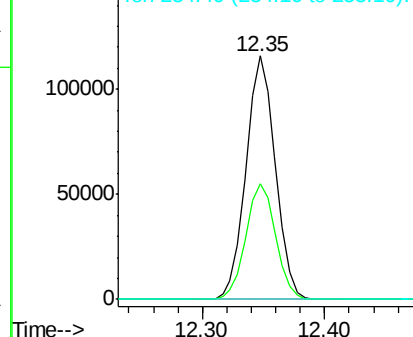


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

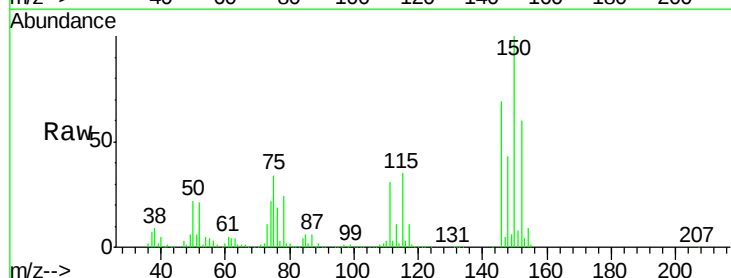
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	90.8
150	204.3	0.0	344.4

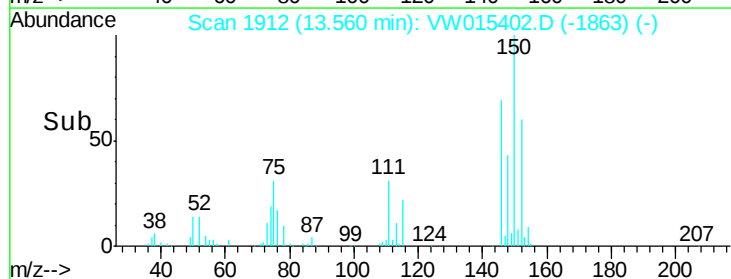
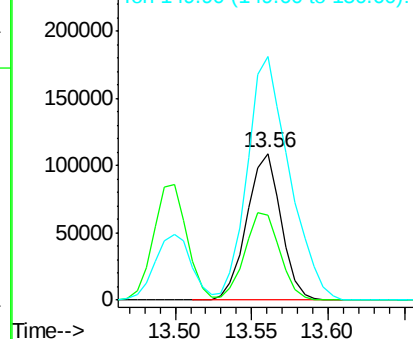


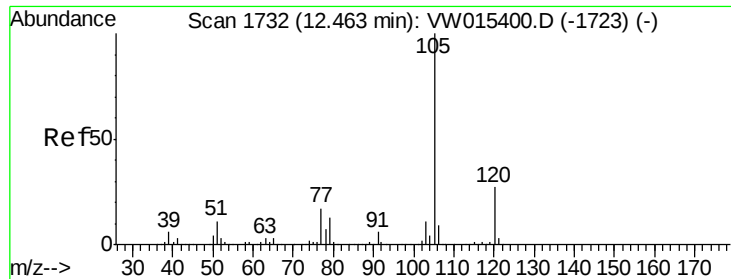
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 164.554 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1970361

Ion Ratio Lower Upper

105 100

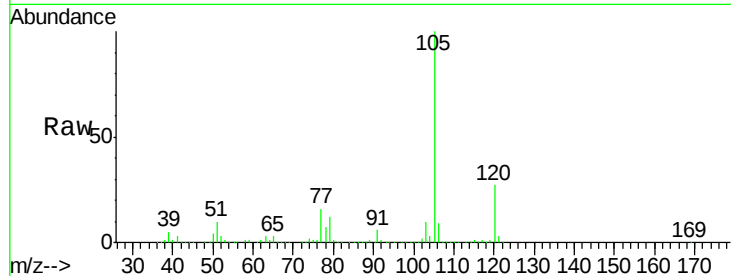
120 26.1 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

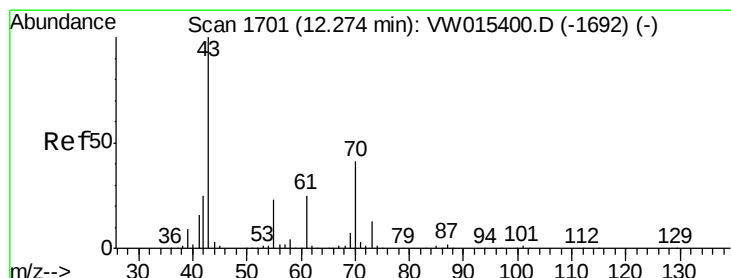
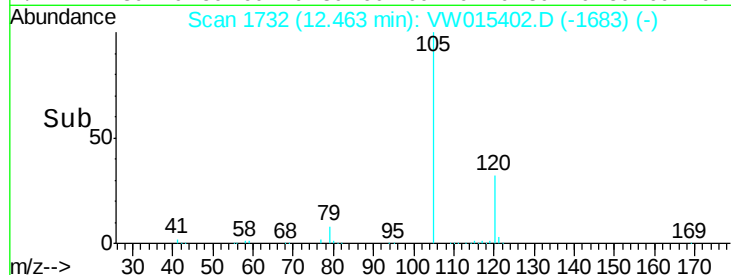
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 207.375 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion: 43 Resp: 455933

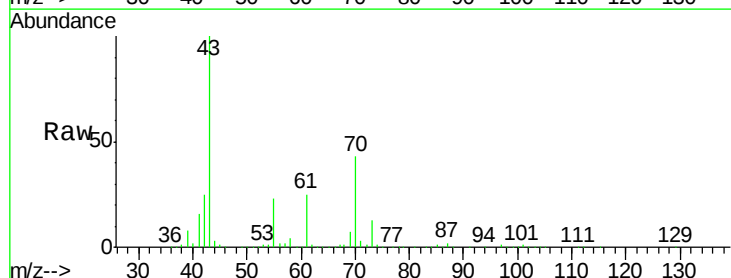
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 23.0 18.9 28.3

61 24.3 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

400000

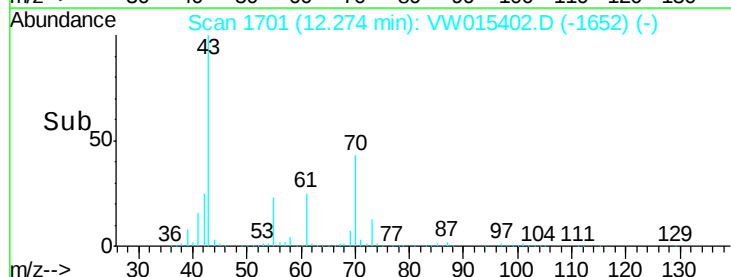
300000

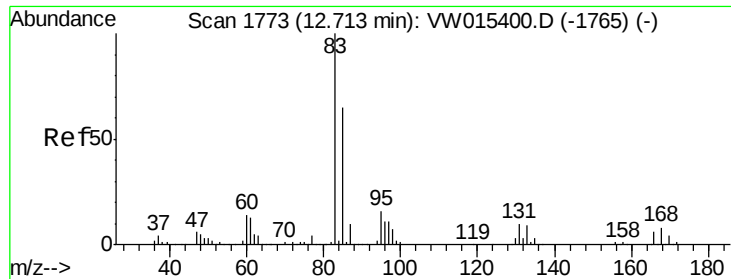
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 173.317 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 301198
Ion Ratio Lower Upper

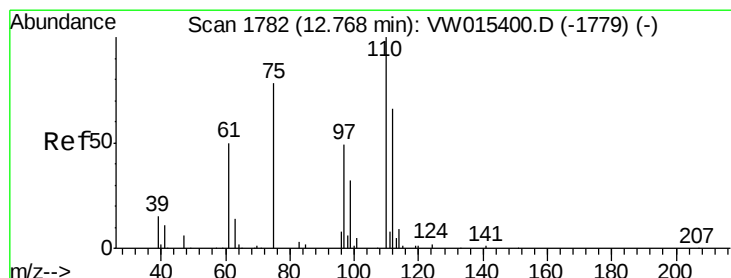
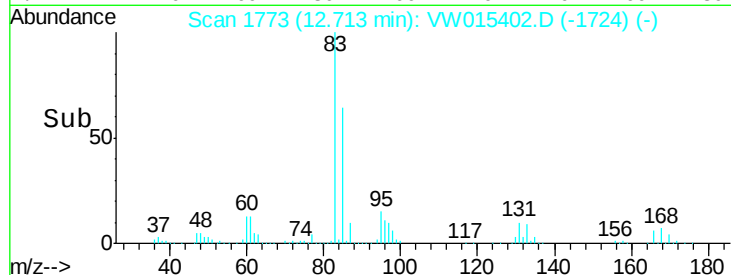
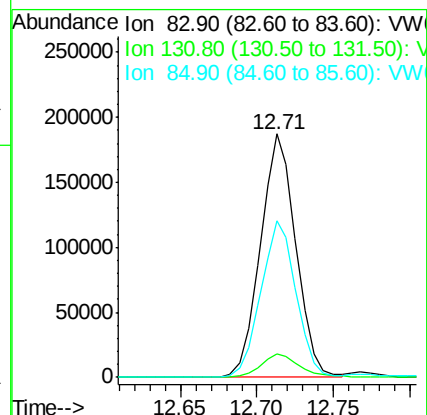
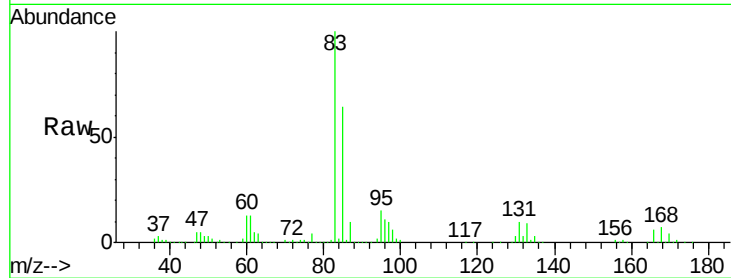
83 100

131 10.2 5.1 15.2

85 64.0 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 149.582 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

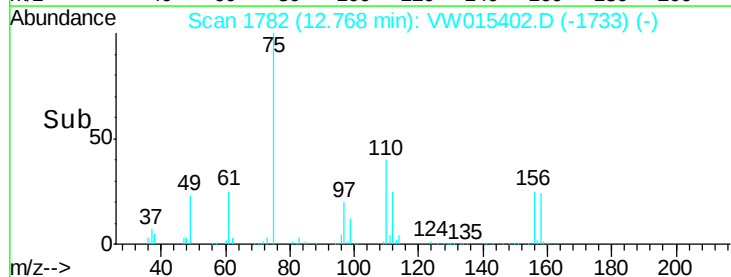
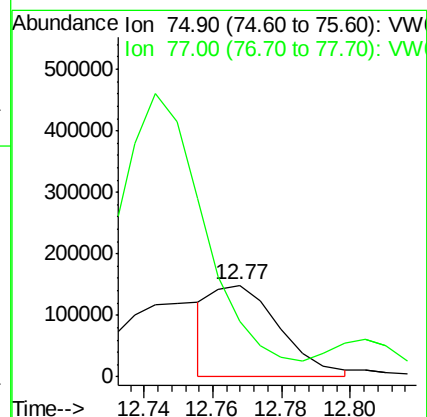
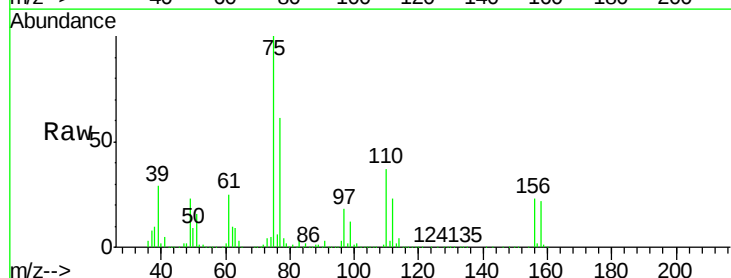
Lab File: VW015402.D

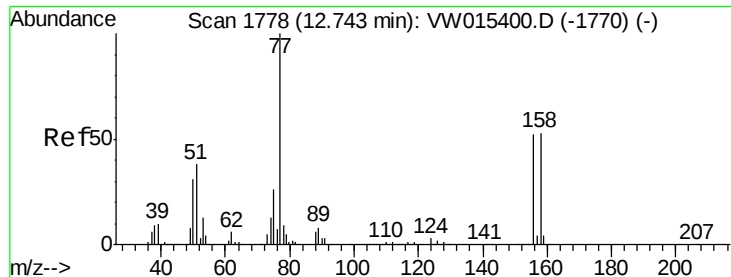
Acq: 05 May 2020 18:15

Tgt Ion: 75 Resp: 204728
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 151.441 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

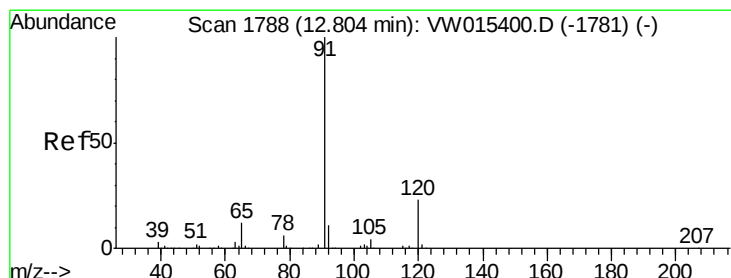
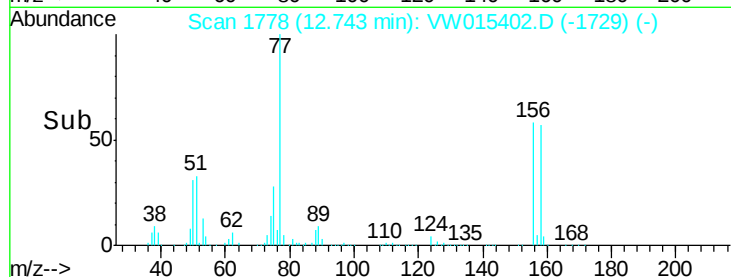
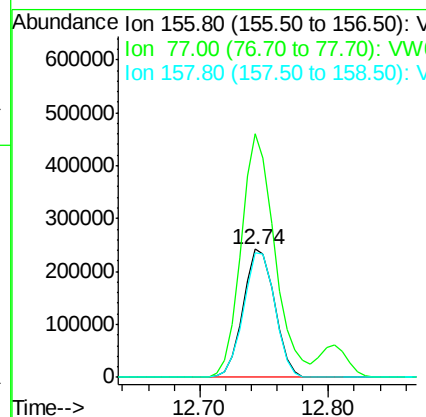
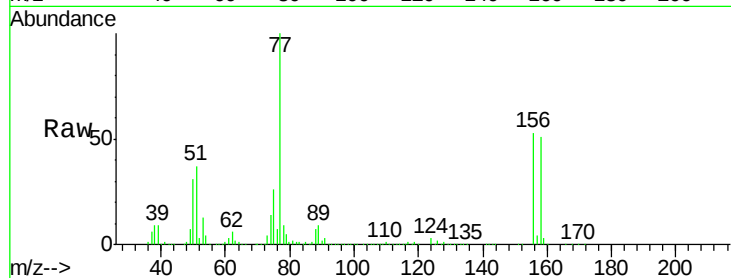
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	408719
Ion Ratio	Lower	Upper	
156	100		
77	203.6	101.8	305.6
158	96.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 165.139 ug/l

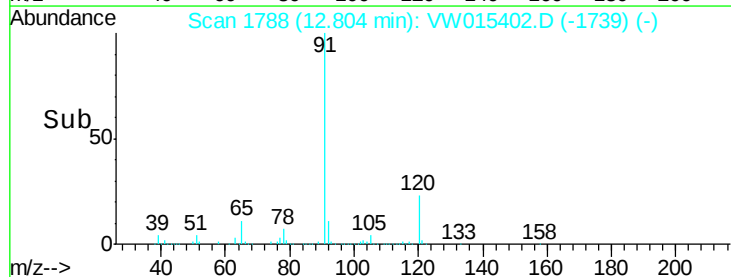
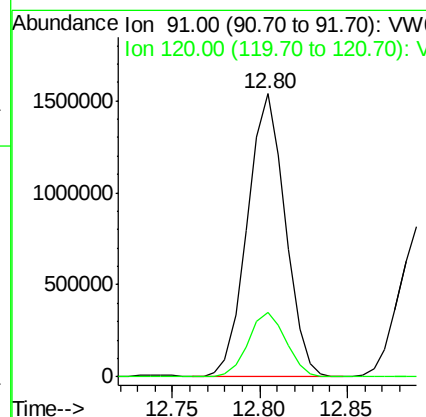
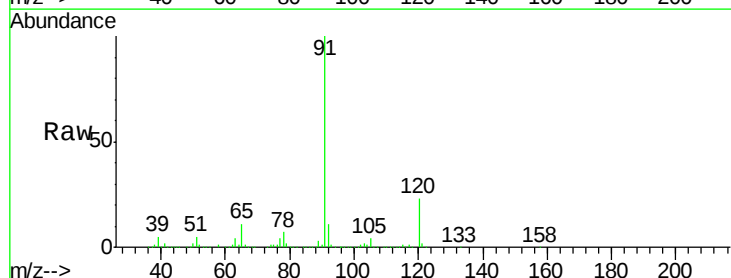
RT: 12.80 min Scan# 1788

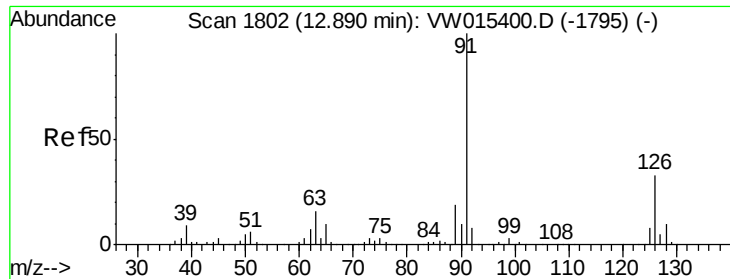
Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	91	Resp:	2311551
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.6





#79

2-Chlorotoluene

Concen: 164.666 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1298742

Ion Ratio Lower Upper

91 100

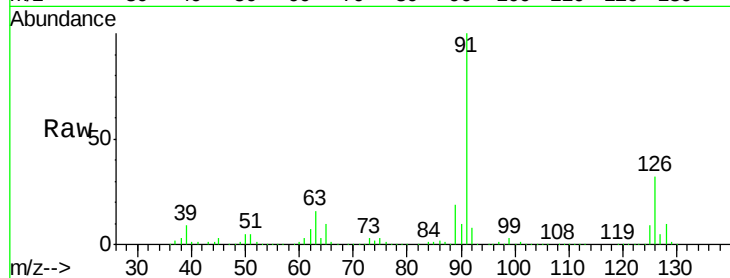
126 32.8 16.1 48.2

Manual Integrations

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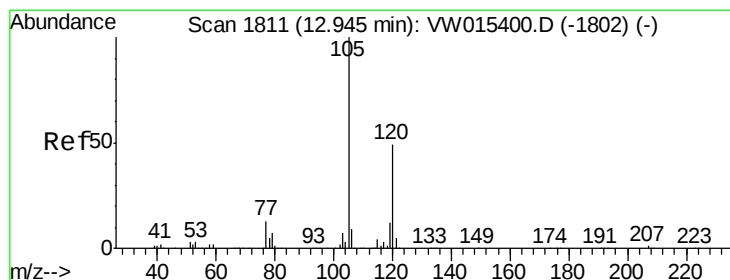
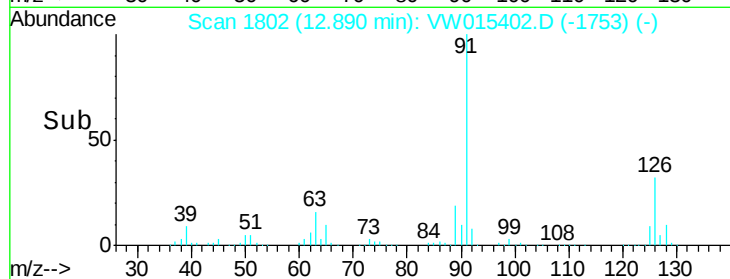
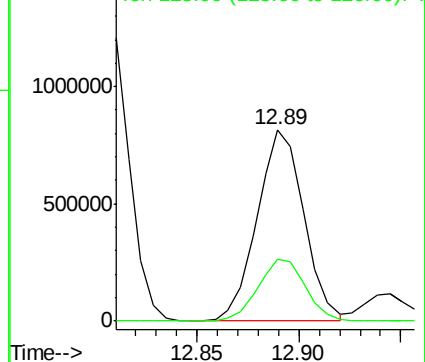
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 157.195 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015402.D

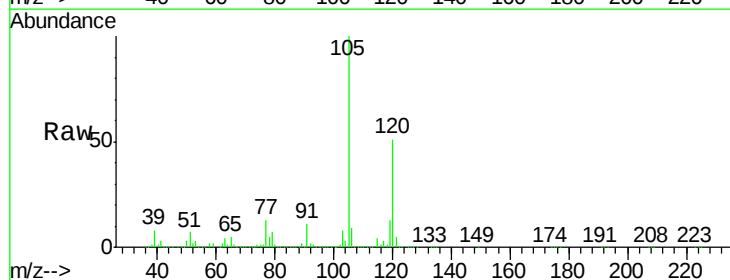
Acq: 05 May 2020 18:15

Tgt Ion:105 Resp: 1614507

Ion Ratio Lower Upper

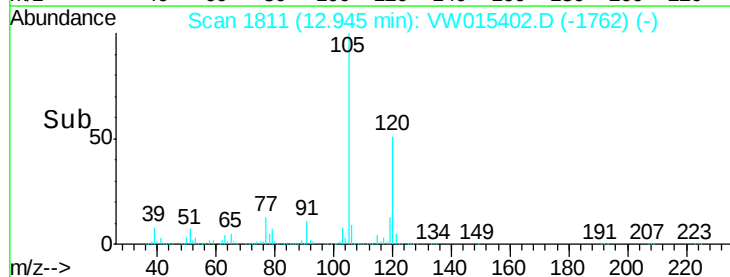
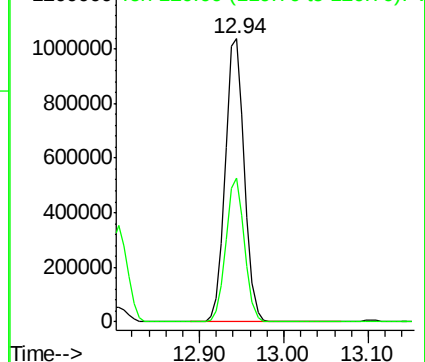
105 100

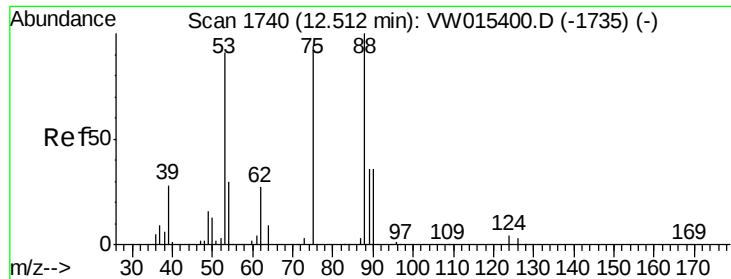
120 49.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





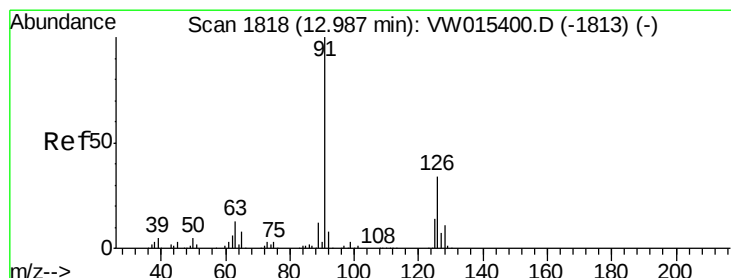
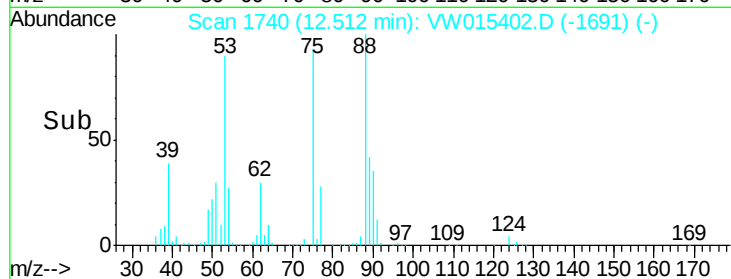
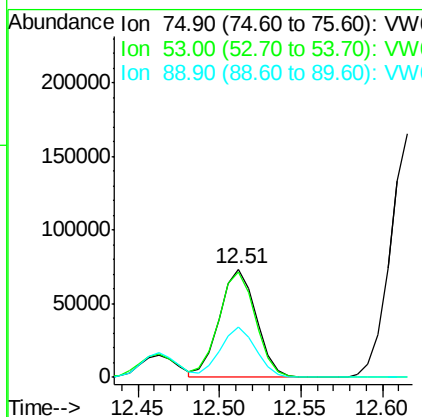
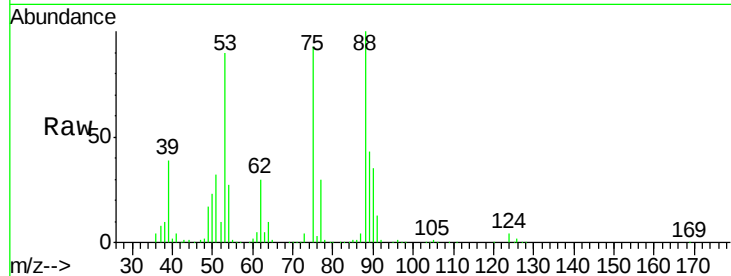
#81
trans-1,4-Dichloro-2-butene
Concen: 185.676 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	82.5	123.7
89	44.7	35.8	53.8

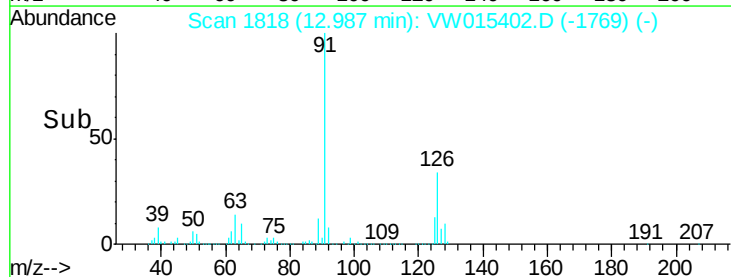
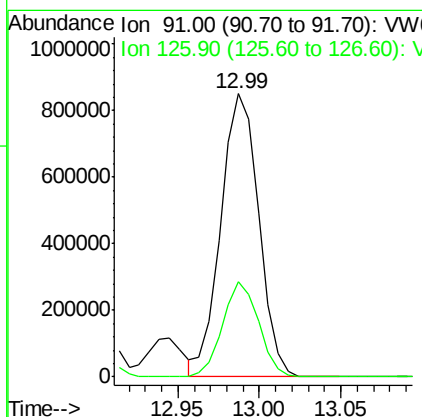
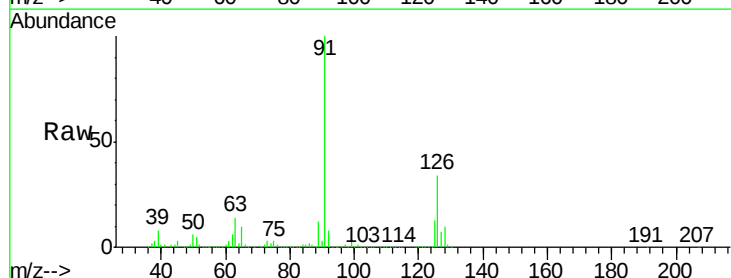
Manual Integrations
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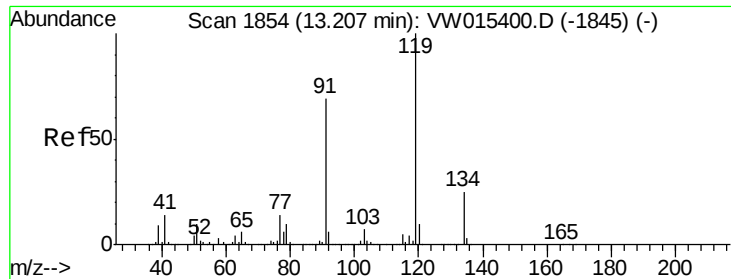
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#82
4-Chlorotoluene
Concen: 164.356 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9





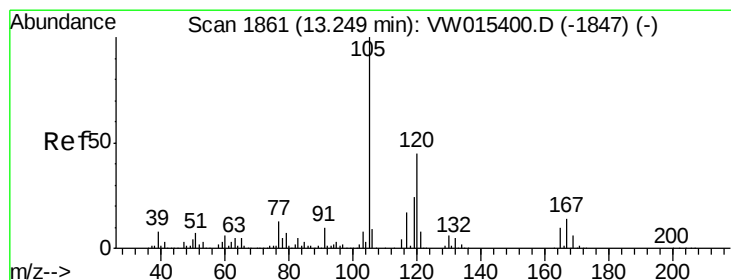
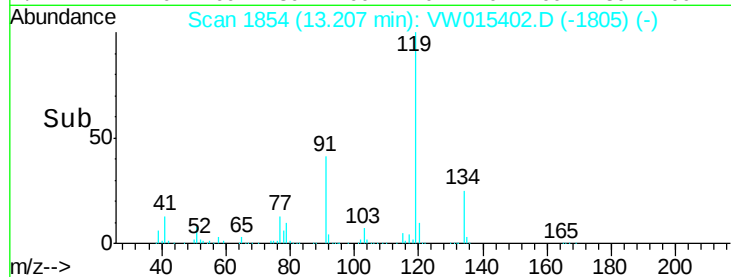
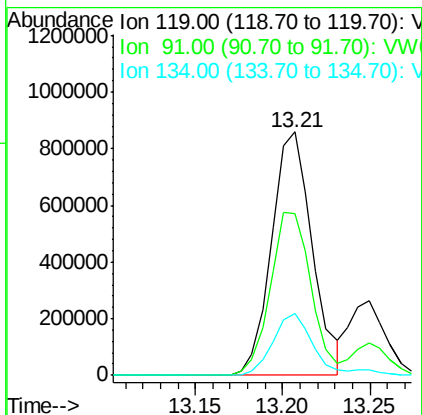
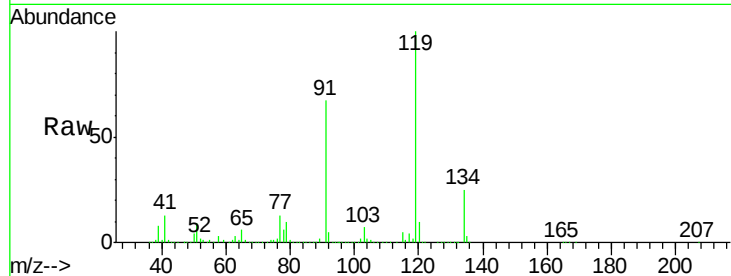
#83
 tert-Butylbenzene
 Concen: 156.076 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.4
134	24.6	12.3	36.9

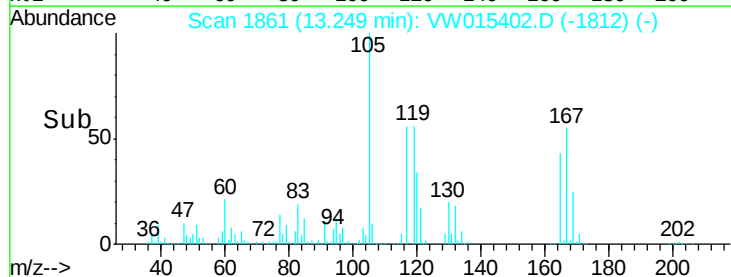
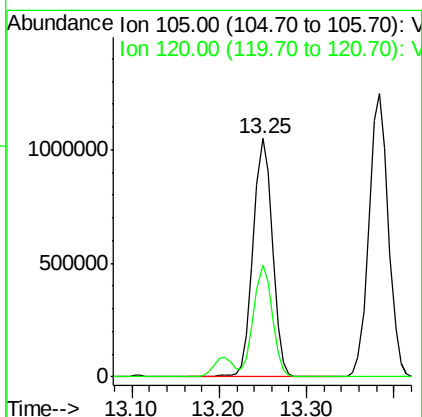
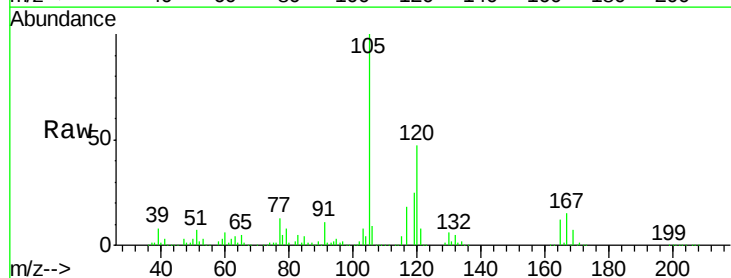
Manual Integrations
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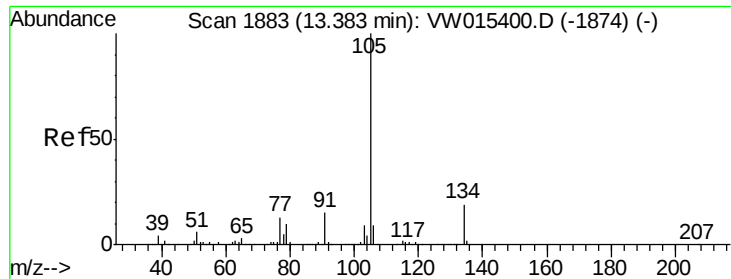
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#84
 1,2,4-Trimethylbenzene
 Concen: 158.071 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.0	66.0





#85

sec-Butylbenzene

Concen: 156.207 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1938696

Ion Ratio Lower Upper

105 100

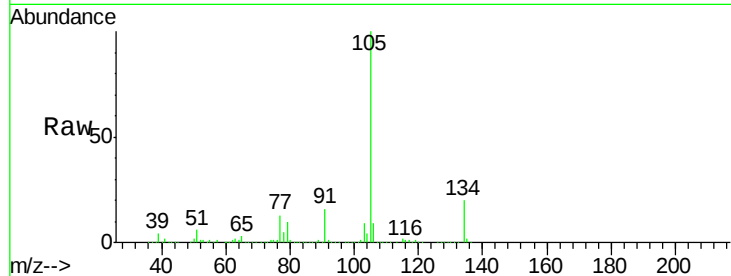
134 19.8 9.8 29.5

Manual Integrations

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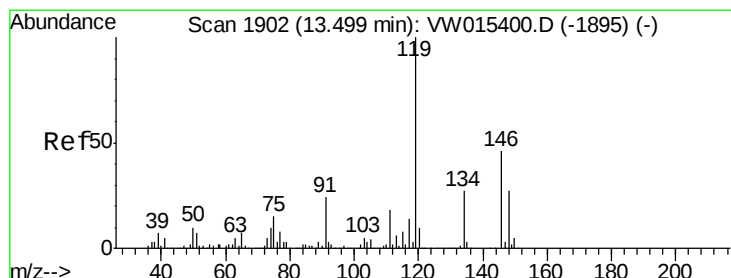
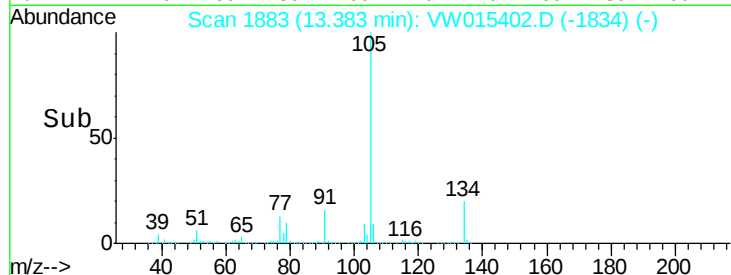
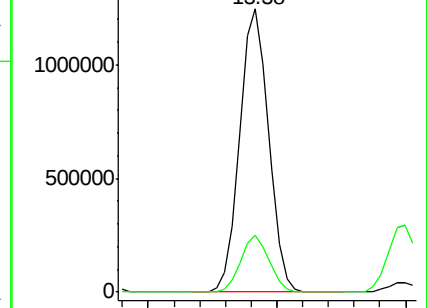
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 152.865 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

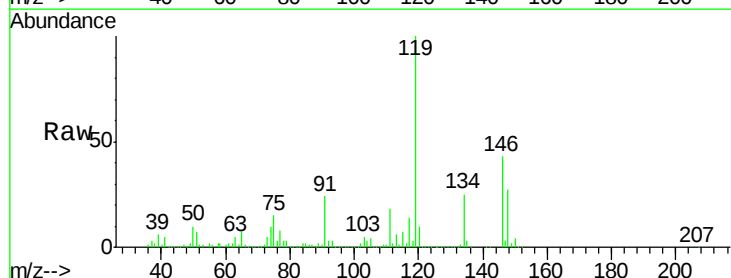
Tgt Ion:119 Resp: 1753235

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

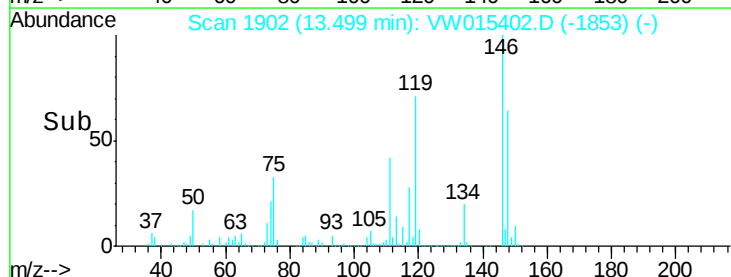
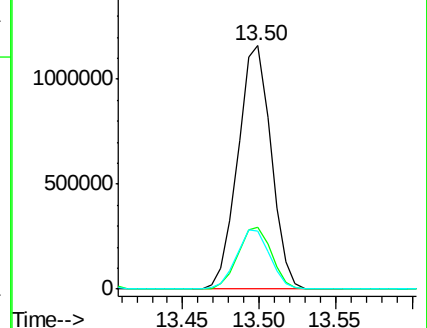
91 24.3 12.1 36.3

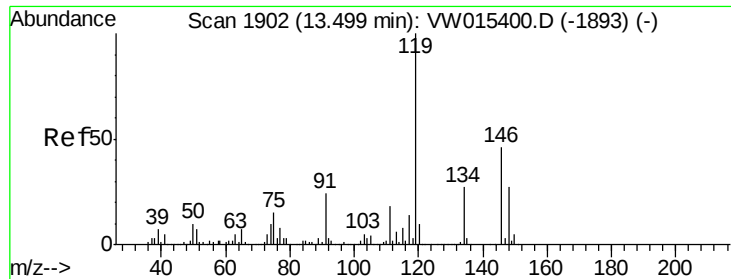


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





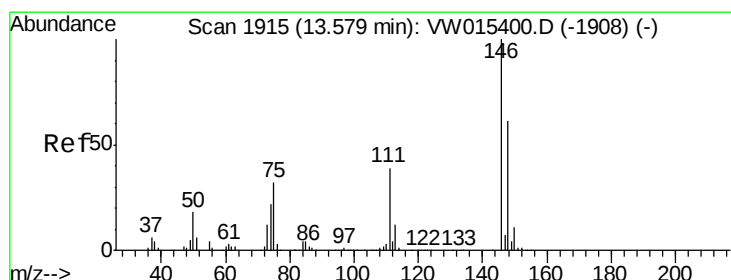
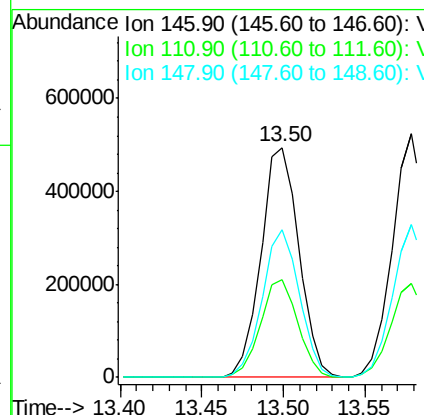
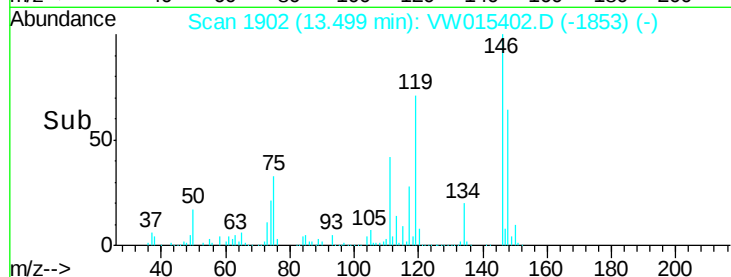
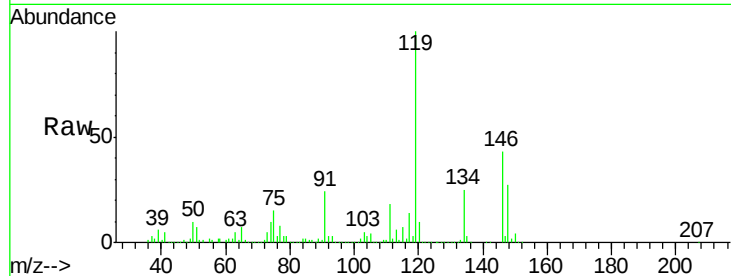
#87
 1,3-Dichlorobenzene
 Concen: 147.646 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	796577		
111	42.2	20.5	61.5	
148	63.0	31.4	94.0	

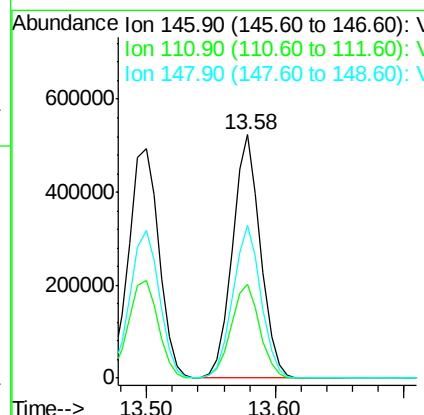
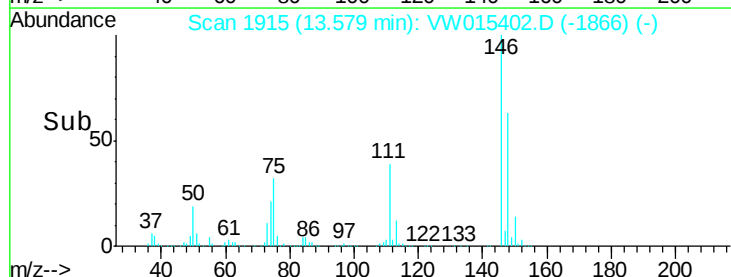
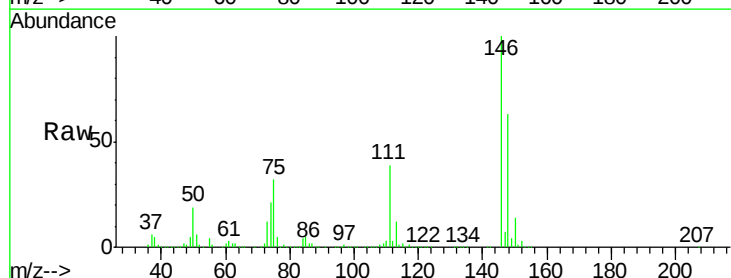
Manual Integrations
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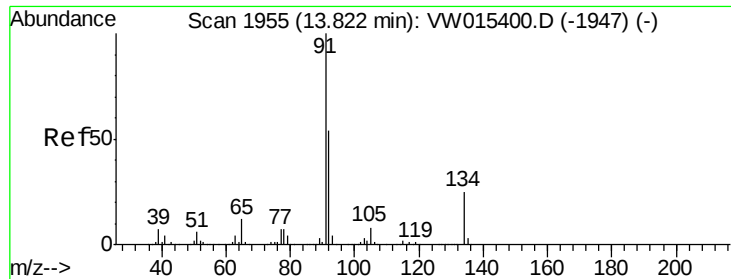
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#88
 1,4-Dichlorobenzene
 Concen: 150.147 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	794399		
111	39.5	20.0	60.0	
148	63.0	31.4	94.3	





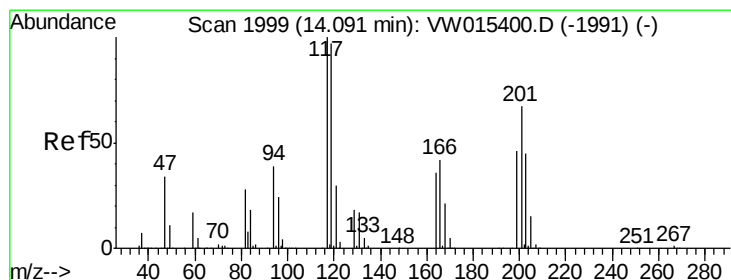
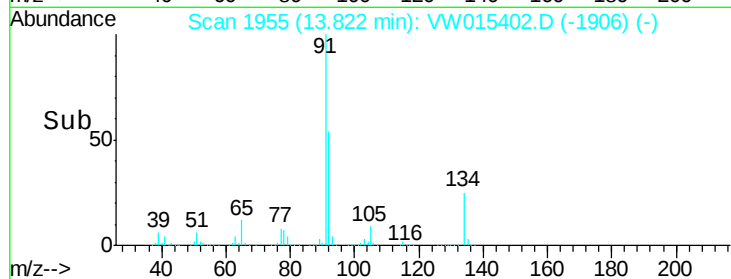
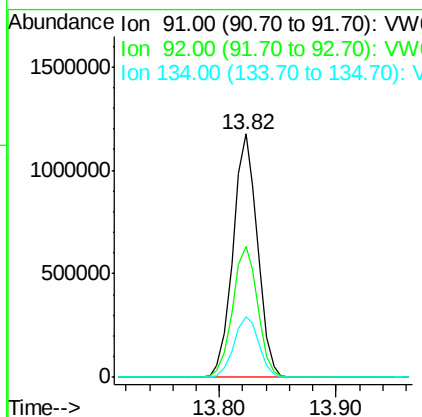
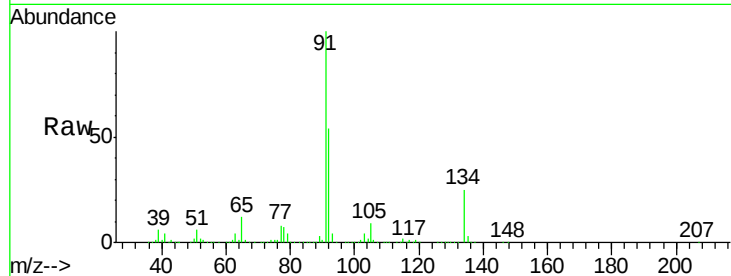
#89
n-Butylbenzene
Concen: 161.337 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	25.8	12.6	37.6

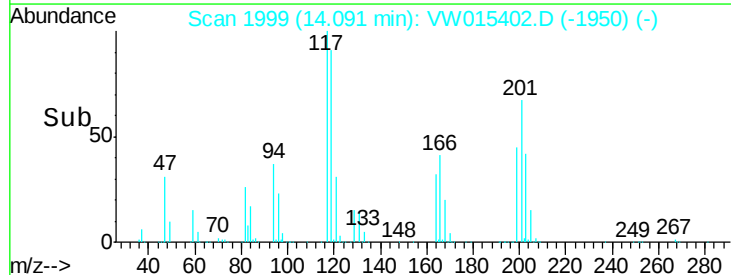
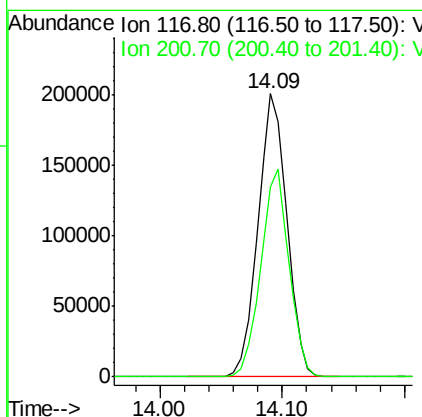
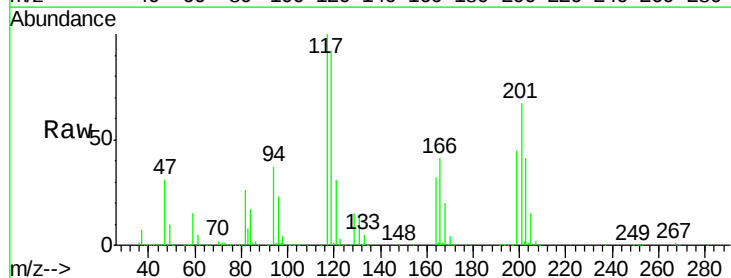
Manual Integrations
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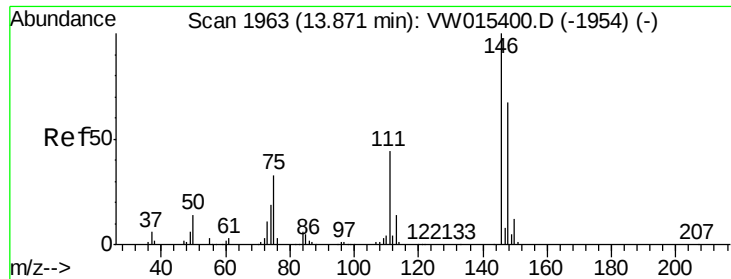
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#90
Hexachloroethane
Concen: 157.275 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015402.D
Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	35.9	107.8





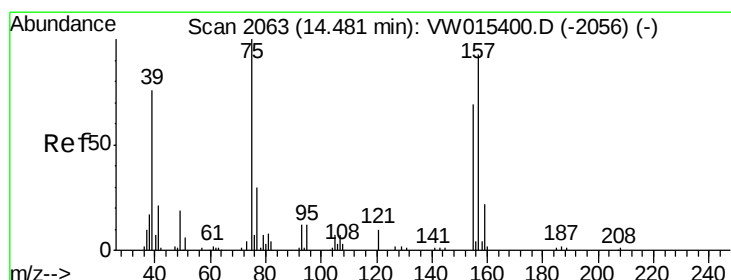
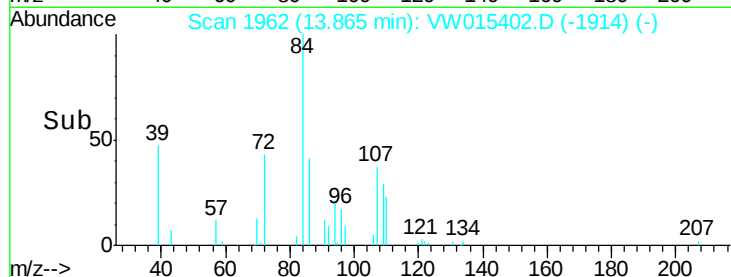
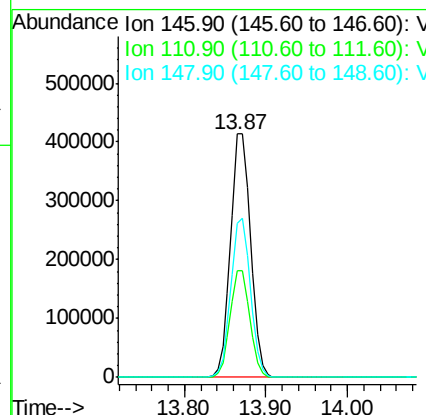
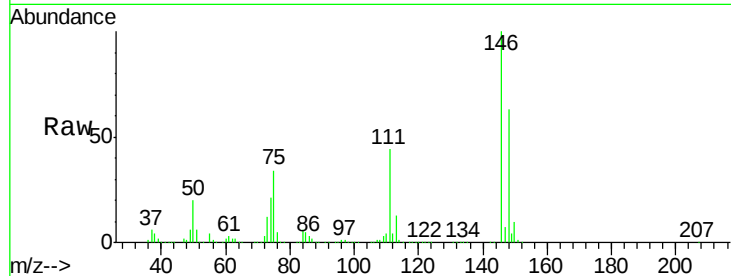
#91
 1,2-Dichlorobenzene
 Concen: 150.217 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	63.7	32.5	97.4

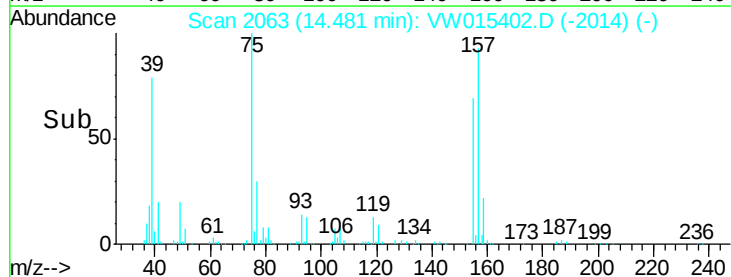
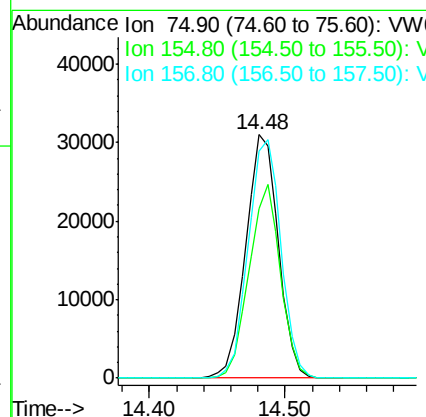
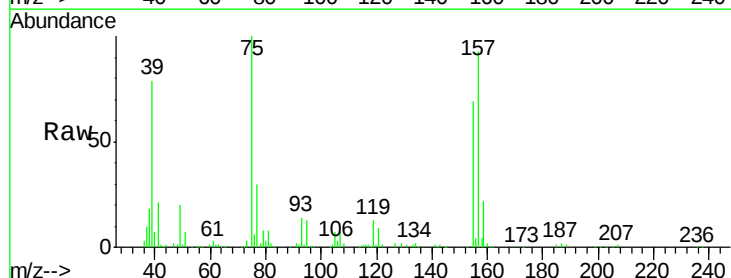
Manual Integrations
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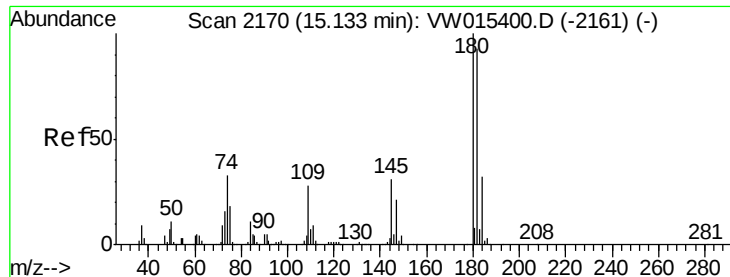
MMDadoda
 5/6/2020 12:12:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 167.257 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.7	116.1
157	98.6	48.1	144.4





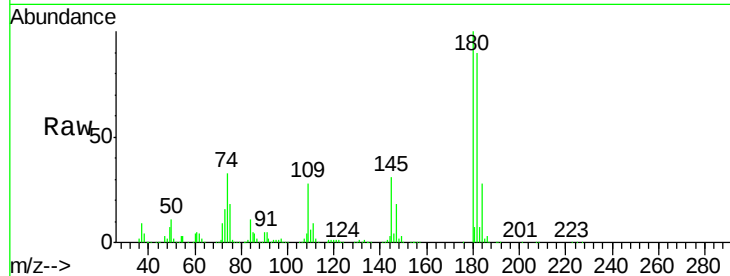
#93
 1,2,4-Trichlorobenzene
 Concen: 147.582 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

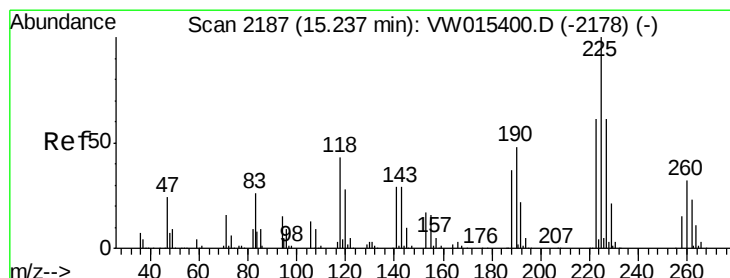
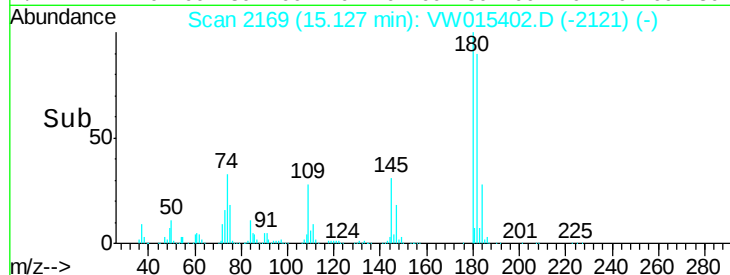
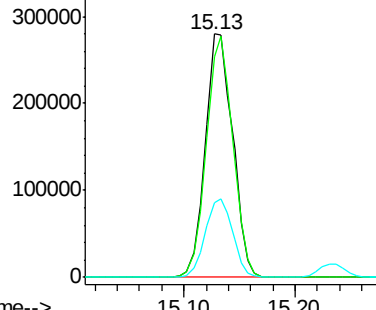
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.2	141.6	
145	32.1	15.6	46.8	

Manual Integrations
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MMDadoda
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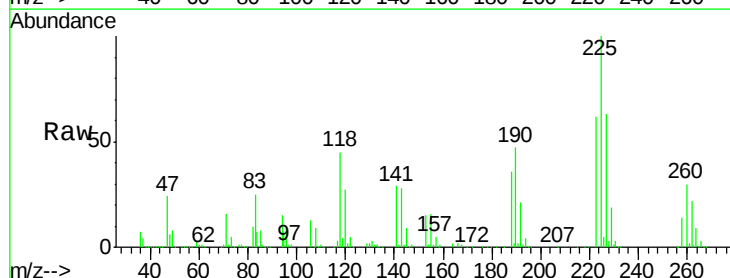


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

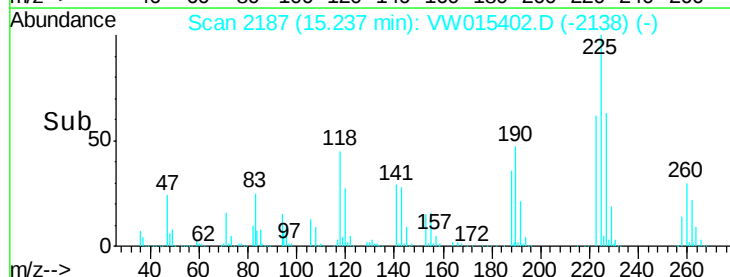
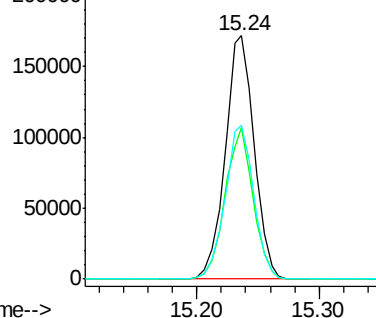


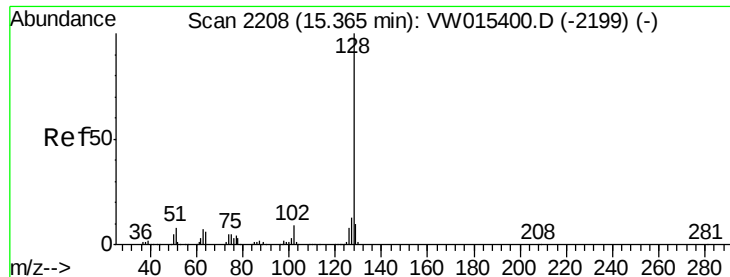
#94
 Hexachlorobutadiene
 Concen: 132.937 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015402.D
 Acq: 05 May 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	30.7	92.1	
227	62.8	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: 163.681 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Instrument :

MSVOA_W

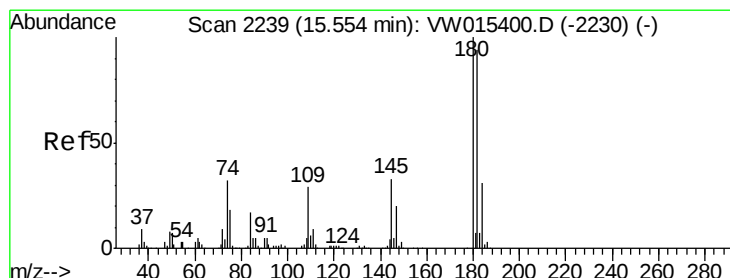
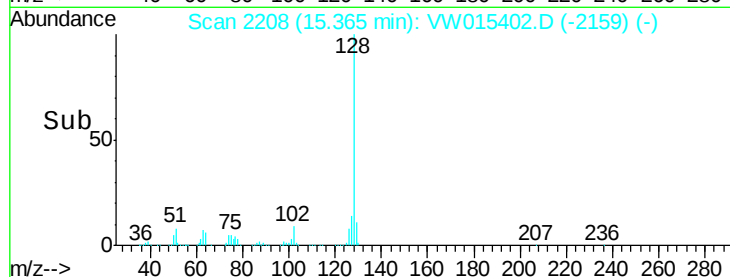
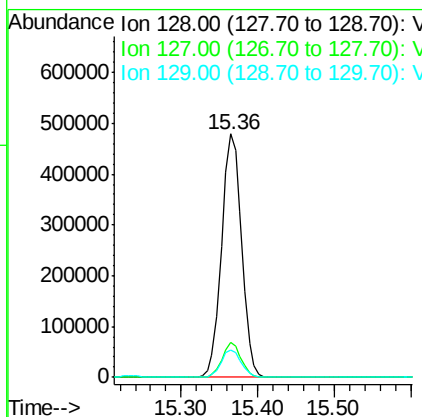
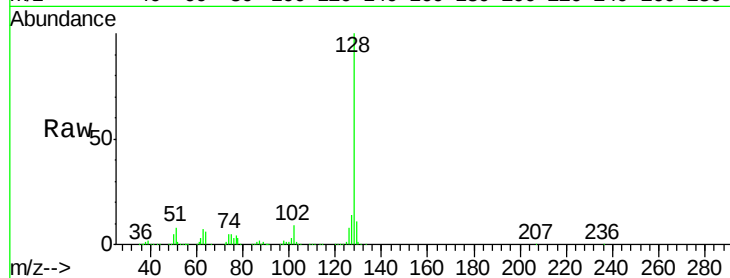
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	865215
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.2	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 157.717 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015402.D

Acq: 05 May 2020 18:15

Tgt Ion:	180	Resp:	416459
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.6	142.8
145	32.3	16.3	48.8

