

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010454.D
 Acq On : 20 May 2019 17:48
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:57 AM

Quant Time: May 21 06:56:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	152578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	257291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	226002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75010	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	7.88	113	78975	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.32	98	303842	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	116210	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	68325	50.266	ug/l	99
3) Chloromethane	2.21	50	81879	51.076	ug/l	99
4) Vinyl Chloride	2.35	62	92818	49.985	ug/l	99
5) Bromomethane	2.75	94	63811	49.952	ug/l	100
6) Chloroethane	2.91	64	60996	51.170	ug/l	99
7) Trichlorofluoromethane	3.25	101	135146	49.297	ug/l	98
8) Diethyl Ether	3.68	74	41587	47.855	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83139	49.244	ug/l	99
10) Methyl Iodide	4.27	142	94106	48.767	ug/l	97
11) Tert butyl alcohol	5.17	59	31776	224.315	ug/l	99
12) 1,1-Dichloroethene	4.04	96	80087	49.693	ug/l	98
13) Acrolein	3.90	56	18085	216.071	ug/l	93
14) Allyl chloride	4.67	41	114505	49.084	ug/l	100
15) Acrylonitrile	5.37	53	86112	236.605	ug/l	99
16) Acetone	4.12	43	80582	250.671	ug/l	98
17) Carbon Disulfide	4.37	76	242741	50.497	ug/l	100
18) Methyl Acetate	4.67	43	34855	44.333	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	197923	48.173	ug/l	97
20) Methylene Chloride	4.92	84	84662	44.307	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	91697	49.604	ug/l	98
22) Diisopropyl ether	6.31	45	232074	48.517	ug/l	99
23) Vinyl Acetate	6.26	43	701313	245.445	ug/l	100
24) 1,1-Dichloroethane	6.21	63	141553	49.589	ug/l	100
25) 2-Butanone	7.17	43	107875	234.487	ug/l	99
26) 2,2-Dichloropropane	7.17	77	135526	49.843	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	99662	49.590	ug/l	99
28) Bromochloromethane	7.51	49	51474	50.365	ug/l	98
29) Tetrahydrofuran	7.53	42	71835	230.756	ug/l	99
30) Chloroform	7.68	83	150038	48.730	ug/l	99
31) Cyclohexane	7.95	56	141762	47.411	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	145942	49.592	ug/l	99
36) 1,1-Dichloropropene	8.09	75	119072	49.680	ug/l	99
37) Ethyl Acetate	7.25	43	48770	47.850	ug/l	100
38) Carbon Tetrachloride	8.07	117	131162	50.729	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	164338	51.178	ug/l	97
40) Benzene	8.32	78	336262	50.476	ug/l	99
41) Methacrylonitrile	7.48	41	28125	46.442	ug/l	97
42) 1,2-Dichloroethane	8.40	62	93928	49.332	ug/l	99
43) Isopropyl Acetate	8.43	43	98279	48.266	ug/l	99
44) Trichloroethene	9.09	130	101223	51.181	ug/l	98
45) 1,2-Dichloropropane	9.37	63	79827	50.455	ug/l	99
46) Dibromomethane	9.46	93	45731	49.424	ug/l	98
47) Bromodichloromethane	9.65	83	115956	49.869	ug/l	97
48) Methyl methacrylate	9.43	41	45086	48.400	ug/l	99
49) 1,4-Dioxane	9.45	88	14645	968.907	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	246483	238.889	ug/l	100
52) Toluene	10.39	92	224471	50.174	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	117401	49.854	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	136998	50.939	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66894	50.275	ug/l	96
56) Ethyl methacrylate	10.65	69	87883	47.891	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110981	49.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	203936	250.905	ug/l	100
59) 2-Hexanone	10.97	43	175837	238.901	ug/l	100
60) Dibromochloromethane	11.13	129	83590	49.639	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65872	48.872	ug/l	99
64) Tetrachloroethene	10.86	164	80665	51.201	ug/l	98
65) Chlorobenzene	11.66	112	243999	50.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	88059	51.036	ug/l	99
67) Ethyl Benzene	11.73	91	430498	50.623	ug/l	100
68) m/p-Xylenes	11.84	106	340321	102.029	ug/l	99
69) o-Xylene	12.17	106	162628	51.461	ug/l	97
70) Styrene	12.18	104	276286	51.526	ug/l	99
71) Bromoform	12.35	173	48548	51.094	ug/l #	98
73) Isopropylbenzene	12.47	105	440495	49.787	ug/l	100
74) N-amyl acetate	12.27	43	97163	47.923	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	74505	46.298	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	53410m	47.192	ug/l	
77) Bromobenzene	12.75	156	99963	50.488	ug/l	98
78) n-propylbenzene	12.80	91	509215	49.387	ug/l	100
79) 2-Chlorotoluene	12.90	91	291165	48.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	371296	49.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	26659	49.161	ug/l	96
82) 4-Chlorotoluene	12.99	91	307901	49.610	ug/l	99
83) tert-Butylbenzene	13.21	119	321156	49.065	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	371174	49.734	ug/l	100
85) sec-Butylbenzene	13.38	105	451129	49.250	ug/l	100
86) p-Isopropyltoluene	13.50	119	413510	49.874	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	195876	50.425	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	193987	49.774	ug/l	99
89) n-Butylbenzene	13.83	91	396894	50.327	ug/l	100
90) Hexachloroethane	14.10	117	80673	50.270	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	177262	50.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13853	46.295	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	125235	52.004	ug/l	99
94) Hexachlorobutadiene	15.24	225	67069	52.133	ug/l	97
95) Naphthalene	15.37	128	256513	50.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108929	52.568	ug/l	99

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

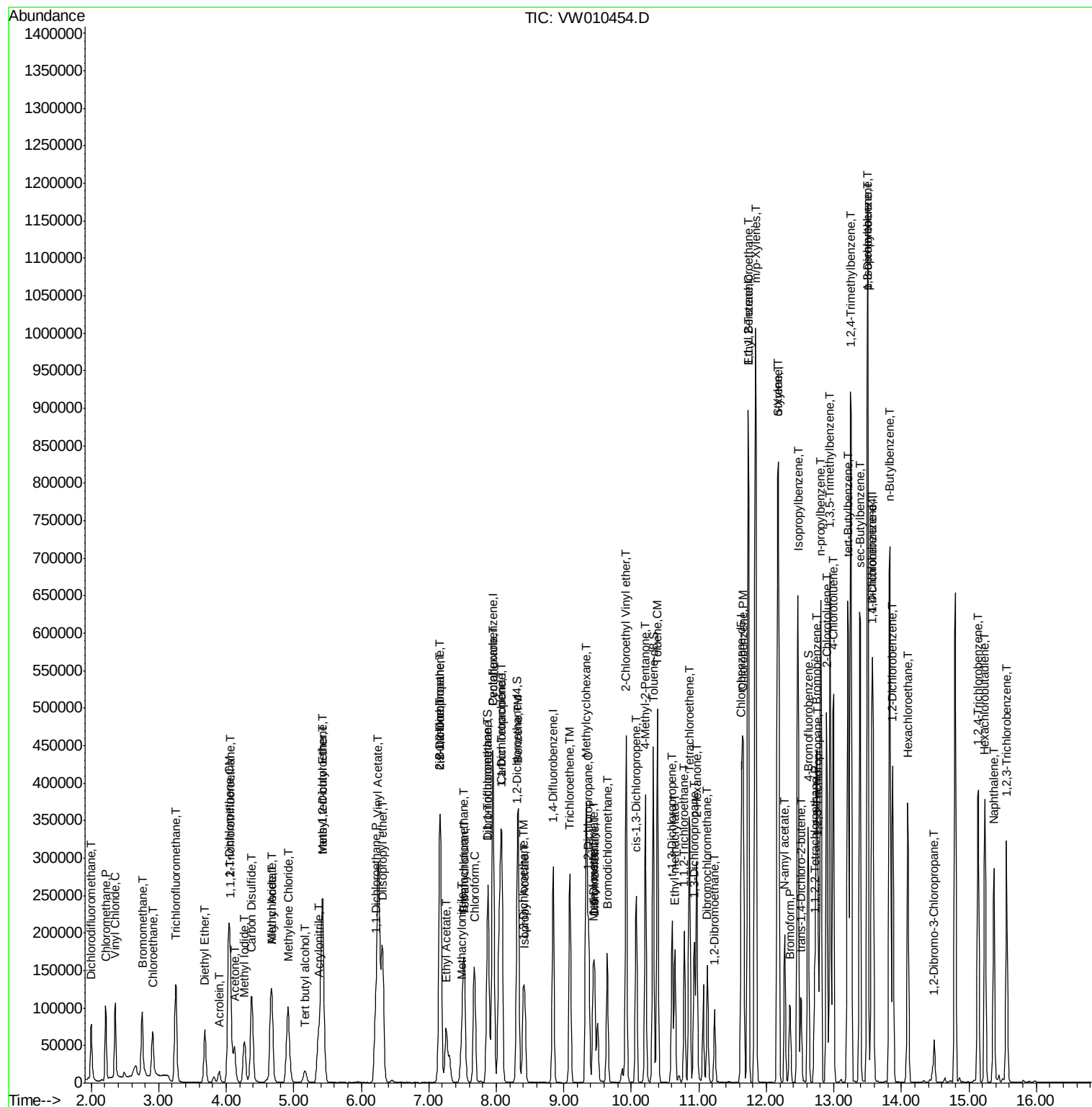
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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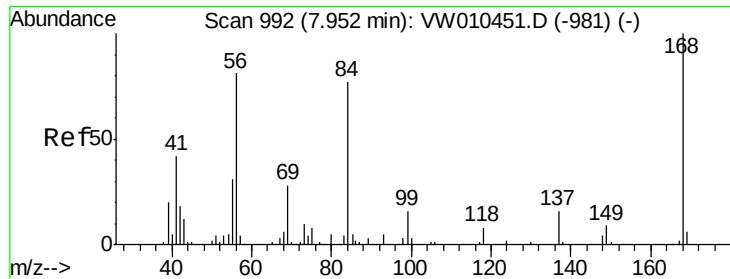
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion:168 Resp: 152578

Ion Ratio Lower Upper

168 100

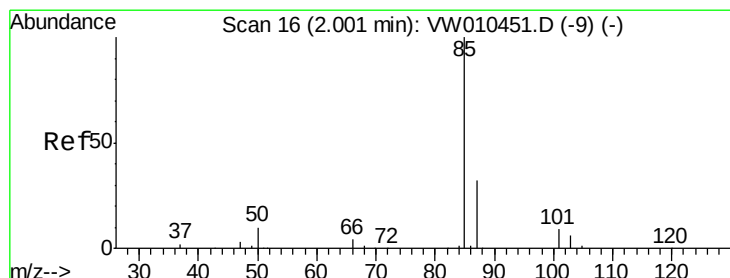
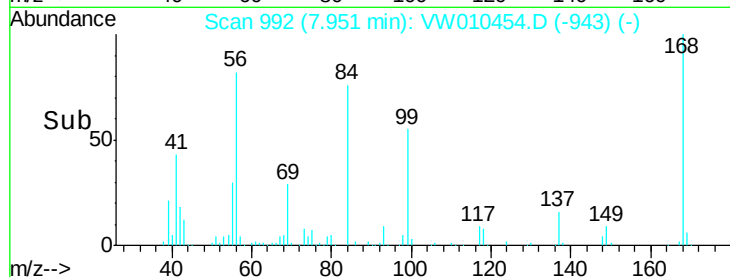
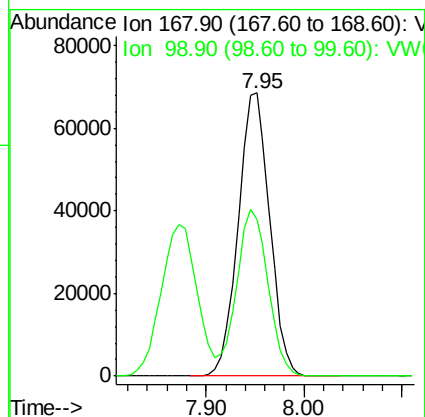
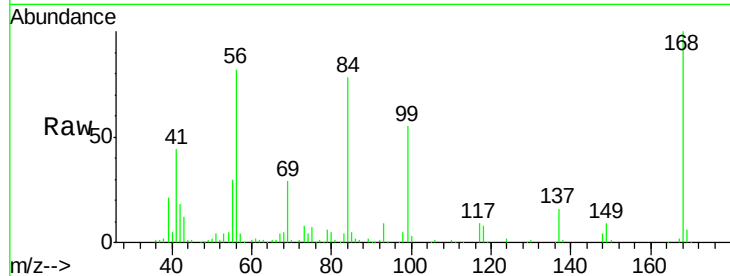
99 55.3 46.1 69.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.266 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010454.D

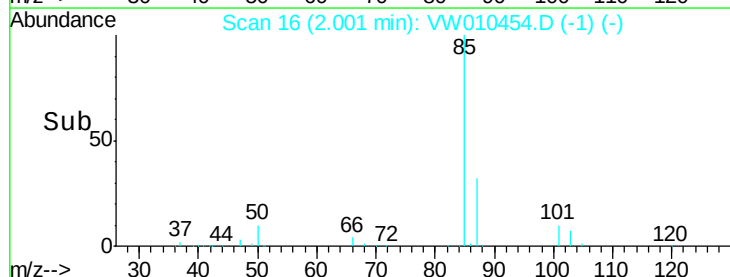
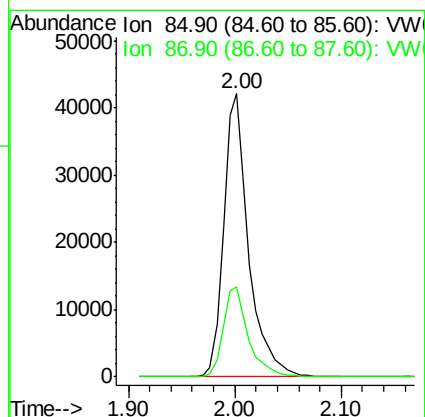
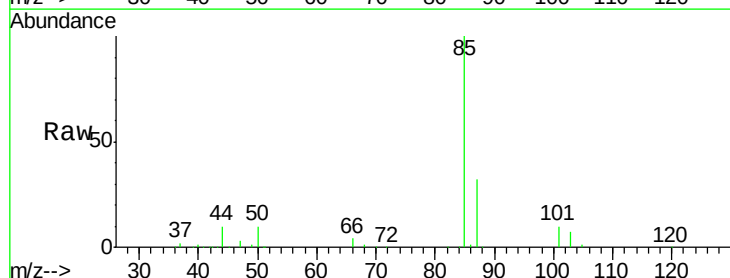
Acq: 20 May 2019 17:48

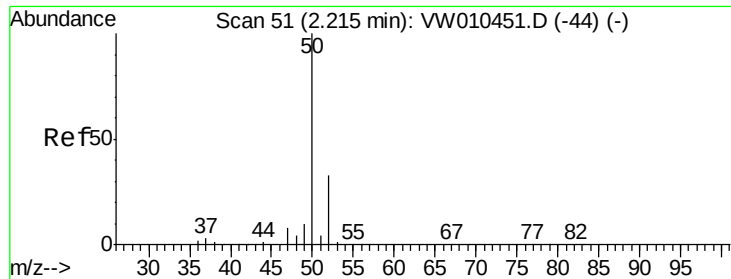
Tgt Ion: 85 Resp: 68325

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8





#3

Chloromethane

Concen: 51.076 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 50 Resp: 81879

Ion Ratio Lower Upper

50 100

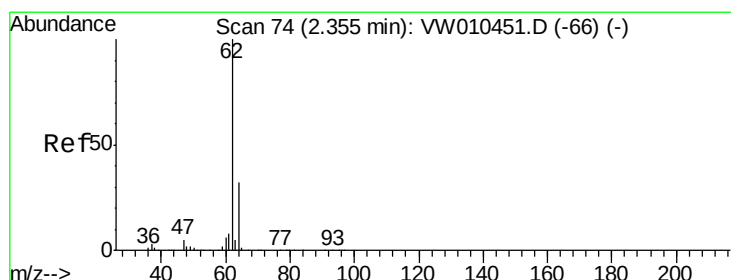
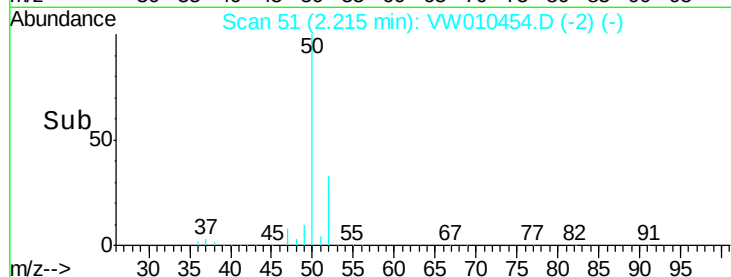
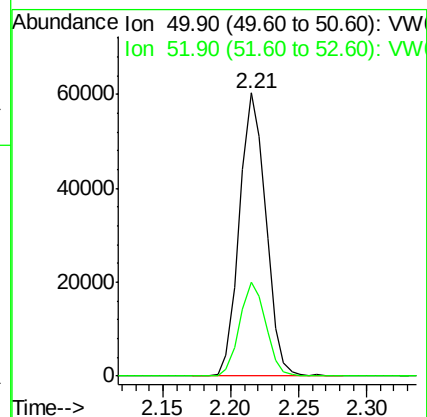
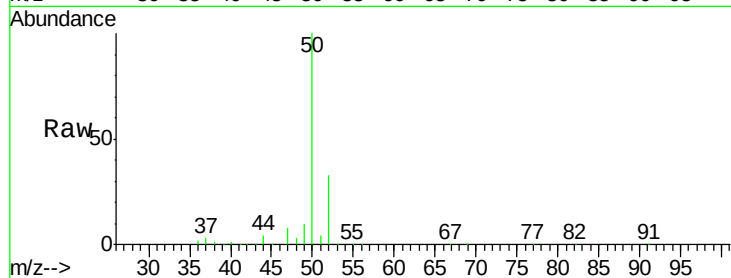
52 33.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 49.985 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010454.D

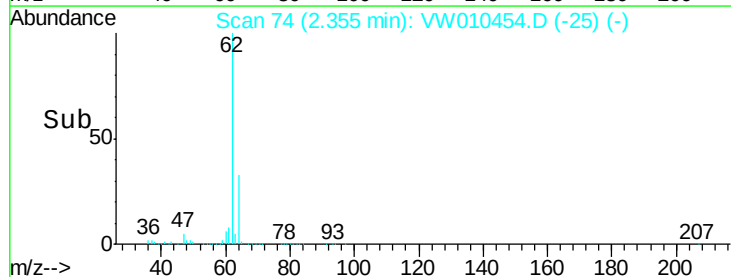
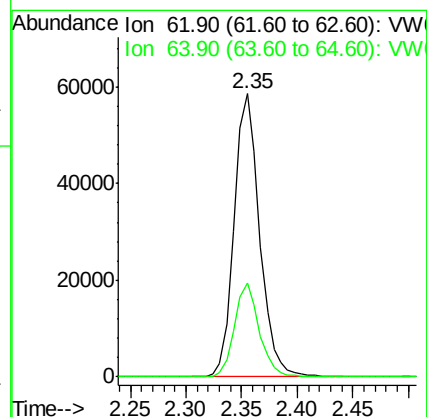
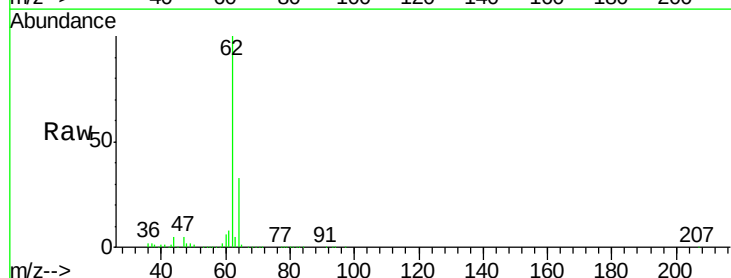
Acq: 20 May 2019 17:48

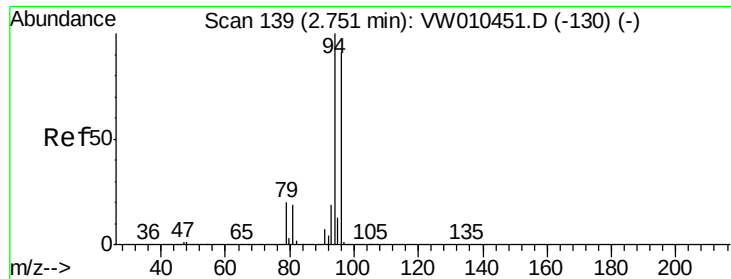
Tgt Ion: 62 Resp: 92818

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8





#5

Bromomethane

Concen: 49.952 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

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ICVW052019

Tot Ion: 94 Resp: 63811

Ion Ratio Lower Upper

94 100

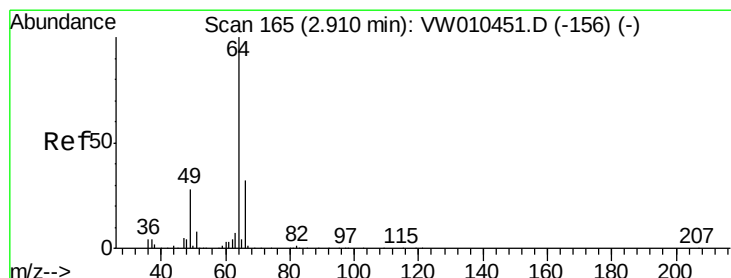
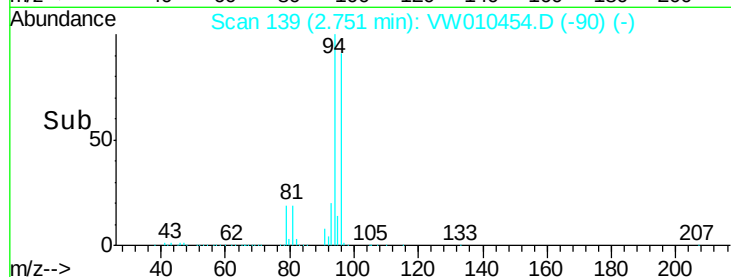
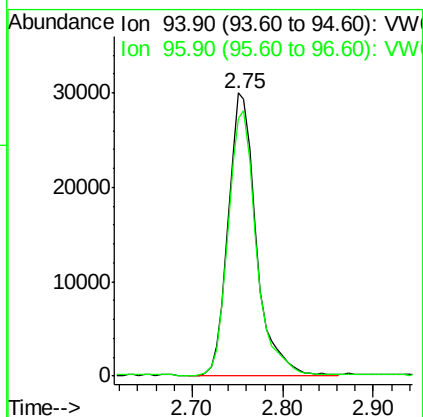
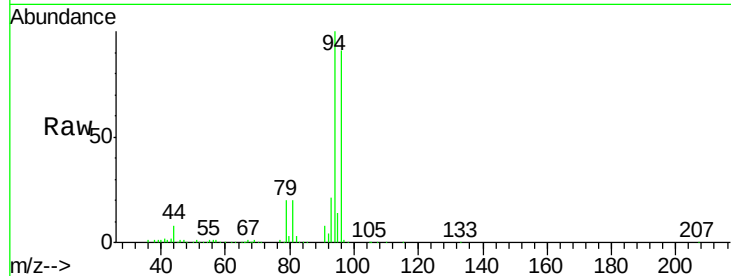
96 90.9 72.9 109.3

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#6

Chloroethane

Concen: 51.170 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010454.D

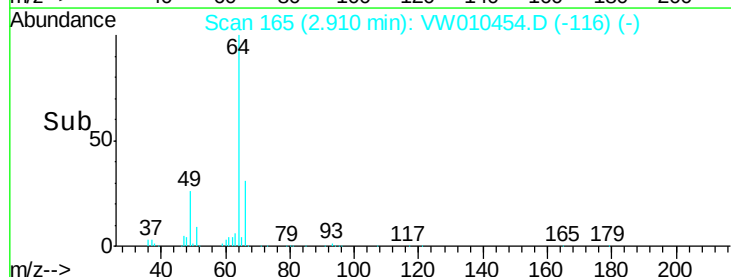
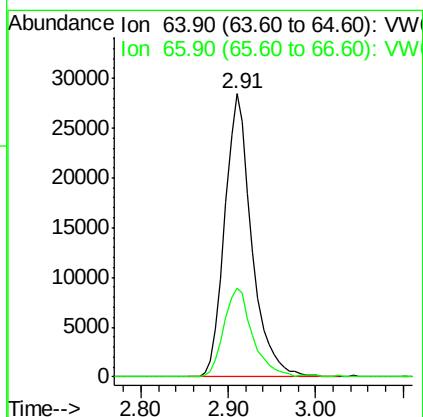
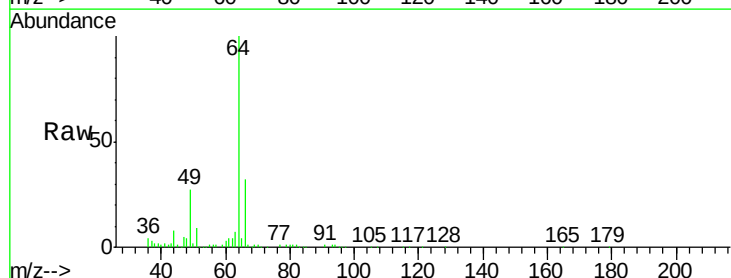
Acq: 20 May 2019 17:48

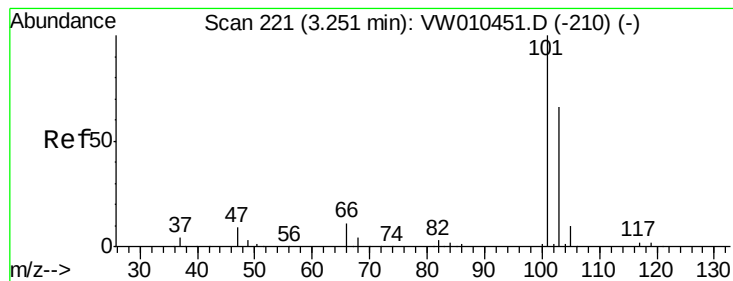
Tgt Ion: 64 Resp: 60996

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





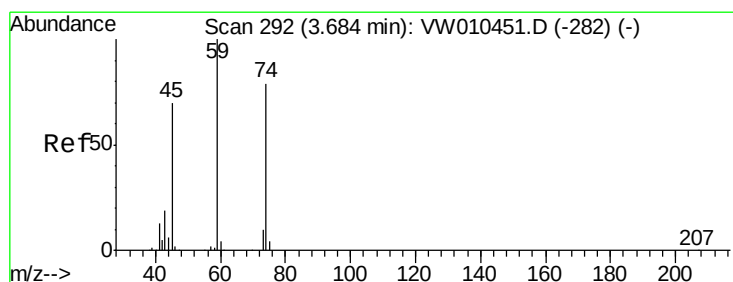
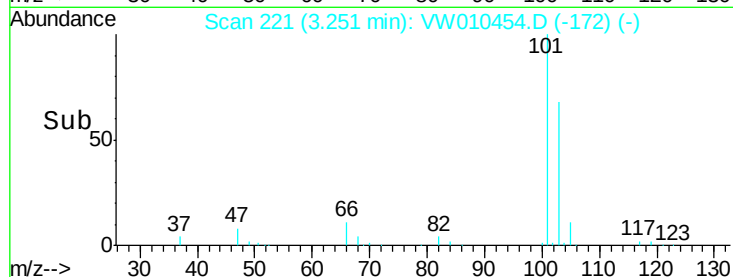
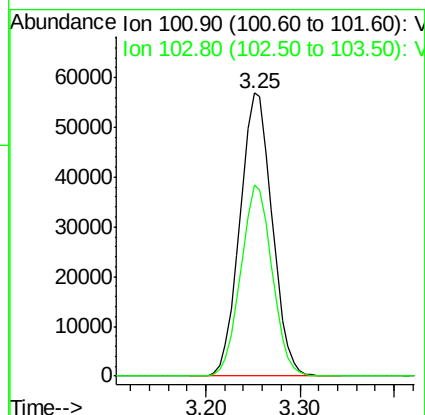
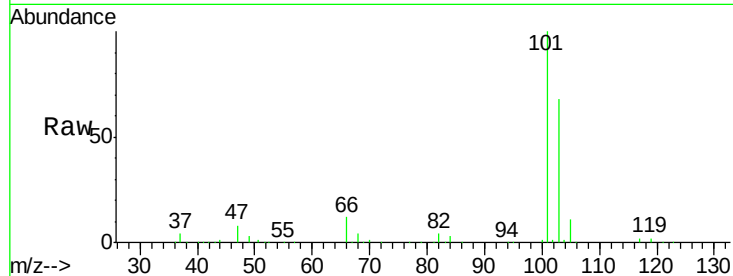
#7
 Trichlorofluoromethane
 Concen: 49.297 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 135146
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.0 79.4

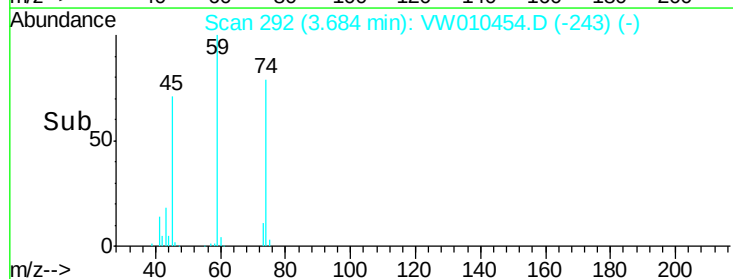
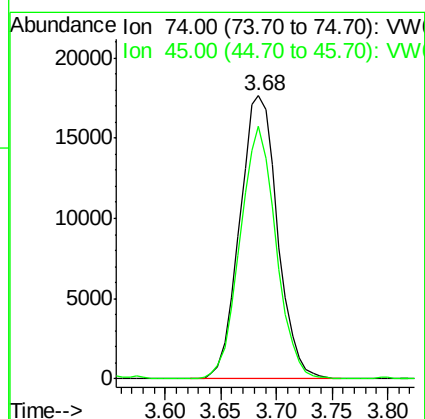
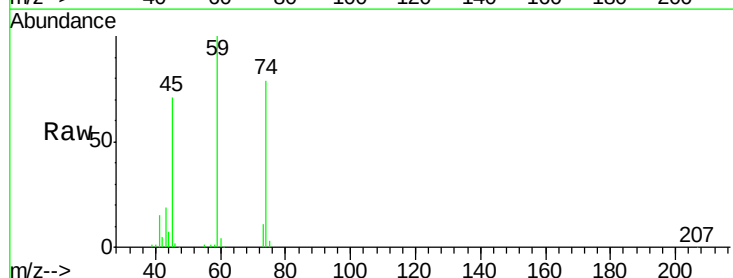
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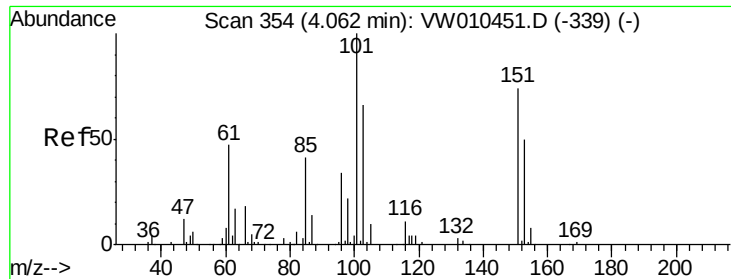
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 5/21/2019 11:28:57 AM



#8
 Diethyl Ether
 Concen: 47.855 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 74 Resp: 41587
 Ion Ratio Lower Upper
 74 100
 45 84.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.244 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010454.D

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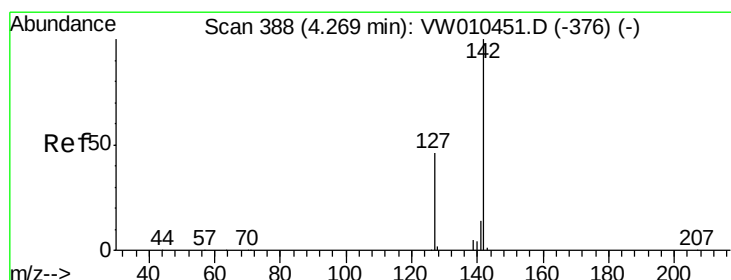
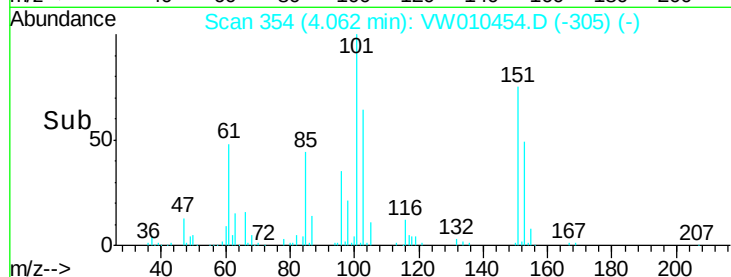
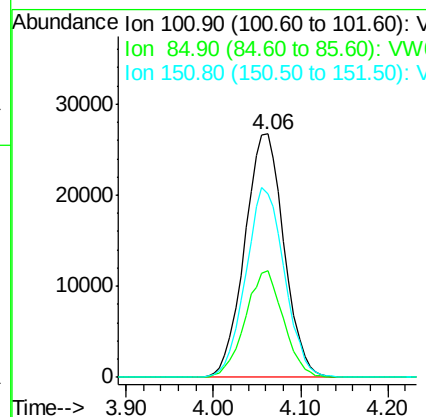
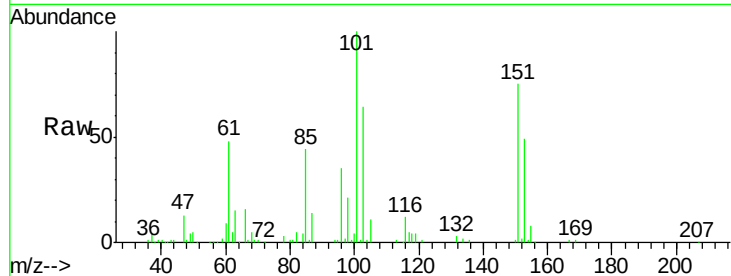
ClientSampleId :

ICVW052019

Tot Ion:	101	Resp:	83139
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.3	51.5
151	77.0	60.3	90.5

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#10

Methyl Iodide

Concen: 48.767 ug/l

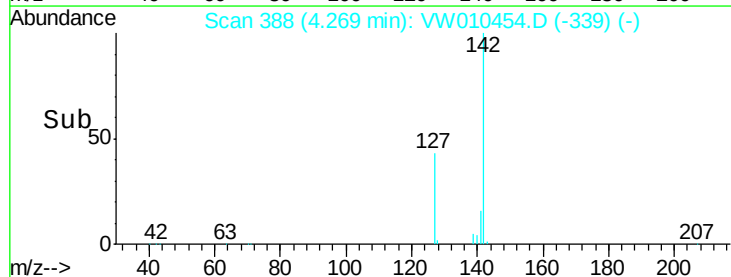
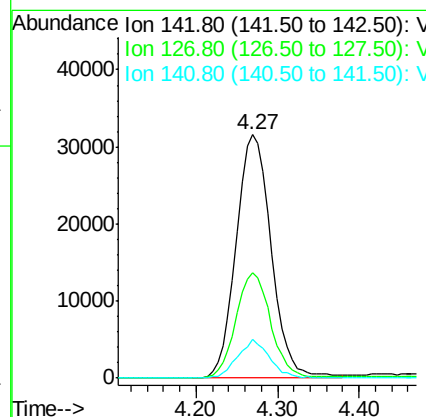
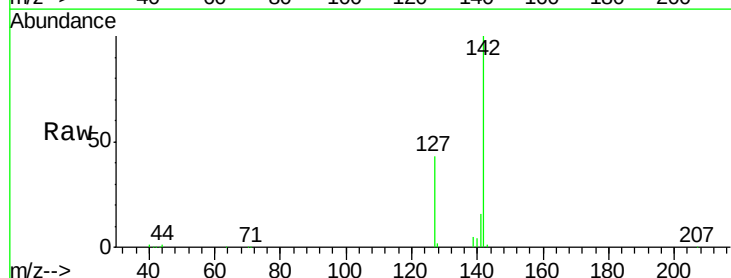
RT: 4.27 min Scan# 388

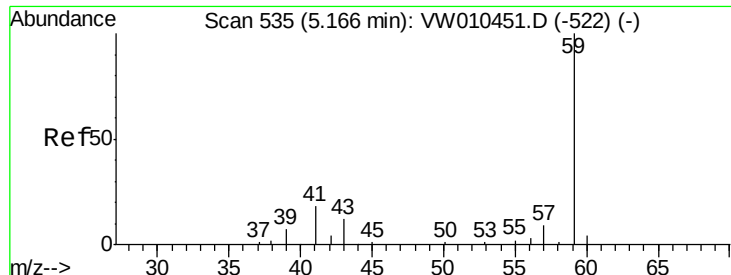
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	142	Resp:	94106
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.1	54.1
141	14.3	11.3	16.9





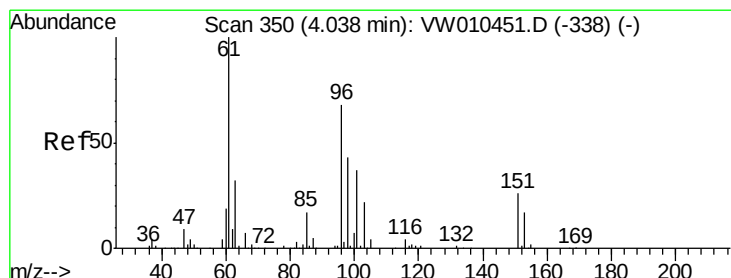
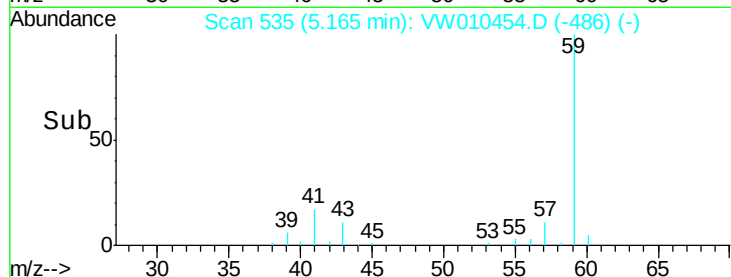
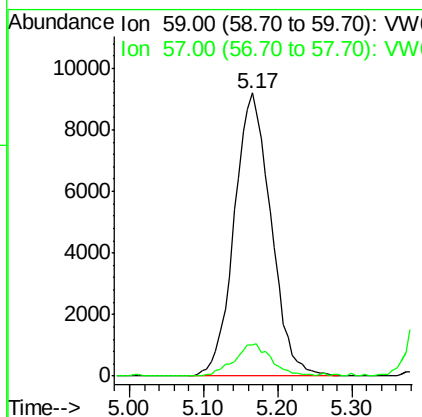
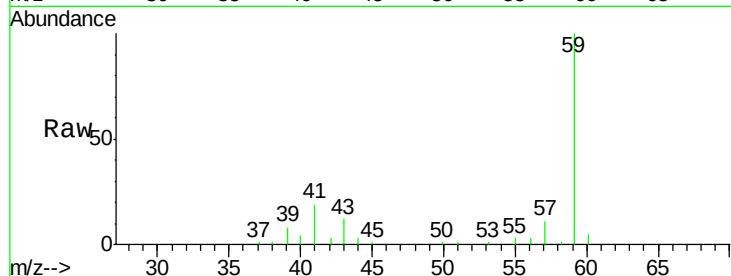
#11
Tert butyl alcohol
Concen: 224.315 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

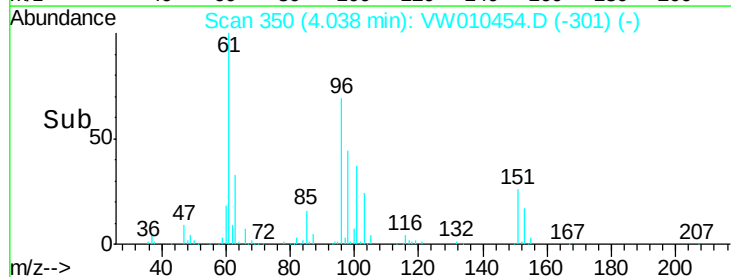
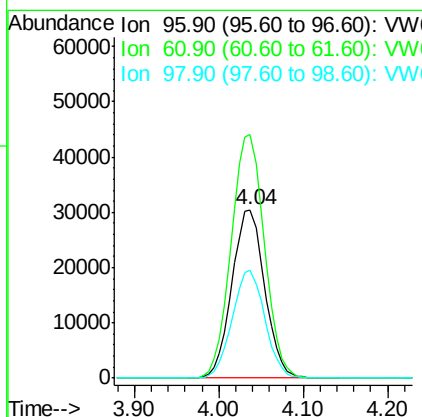
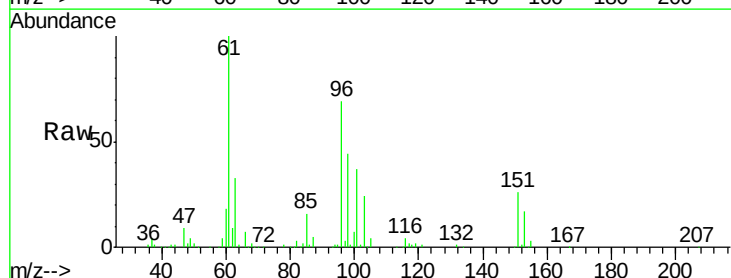
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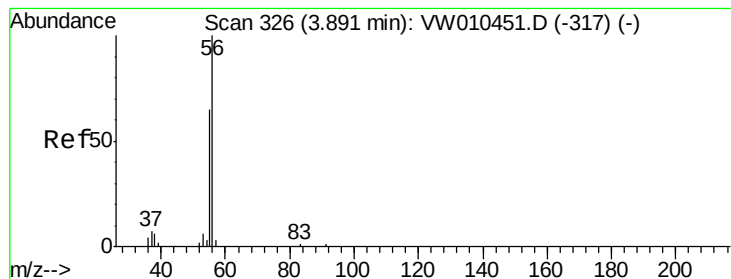
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.693 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	118.3	177.5
98	64.1	51.0	76.6





#13

Acrolein

Concen: 216.071 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 56 Resp: 18085

Ion Ratio Lower Upper

56 100

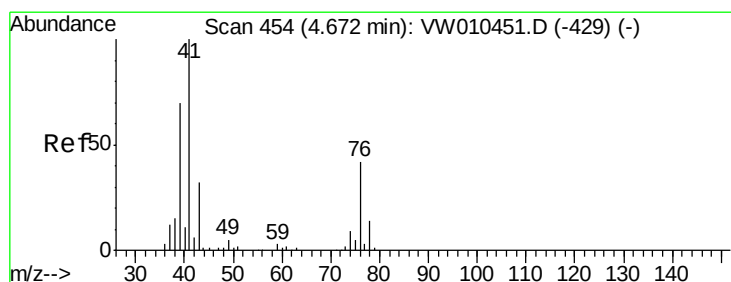
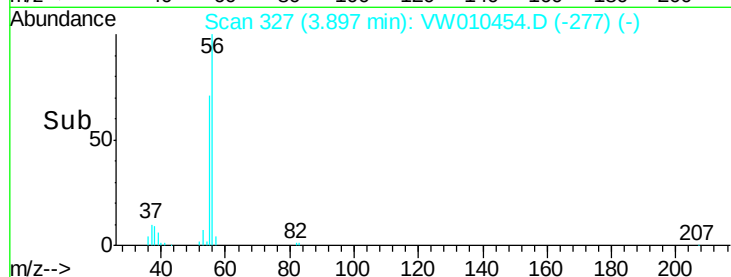
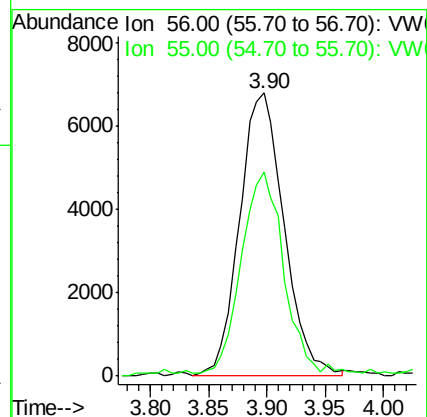
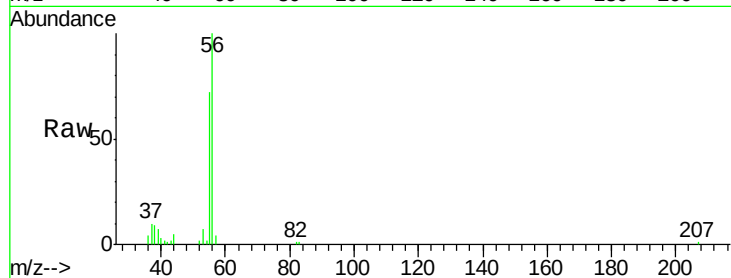
55 66.7 57.9 86.9

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#14

Allyl chloride

Concen: 49.084 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

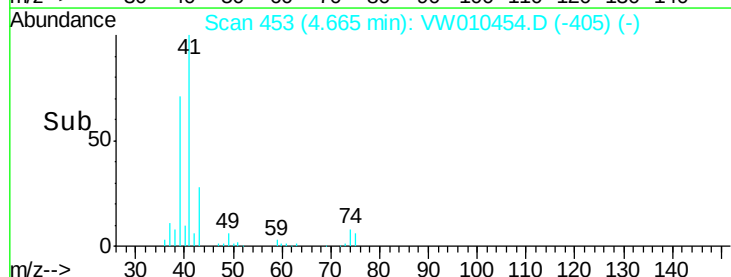
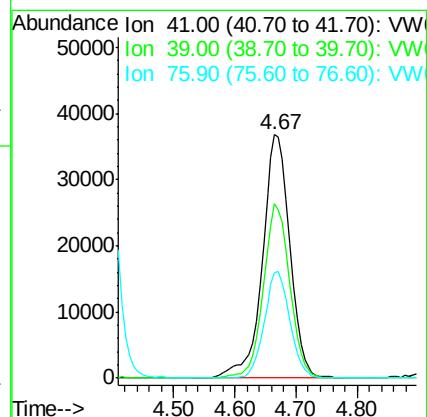
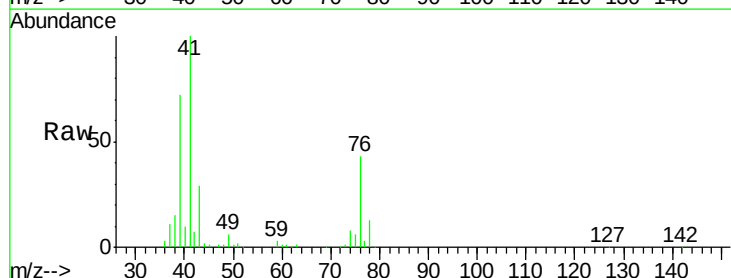
Tgt Ion: 41 Resp: 114505

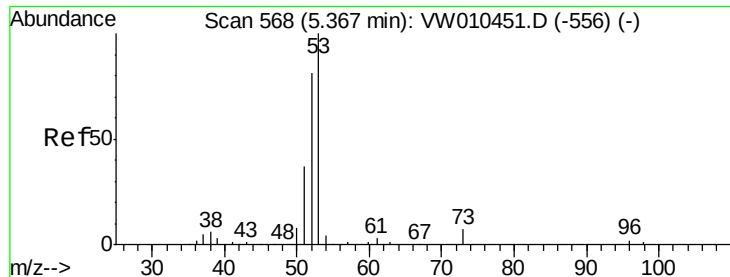
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 236.605 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

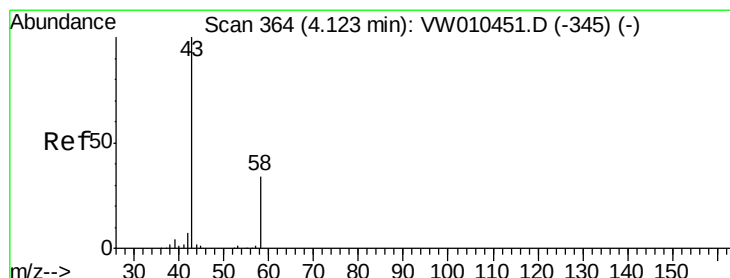
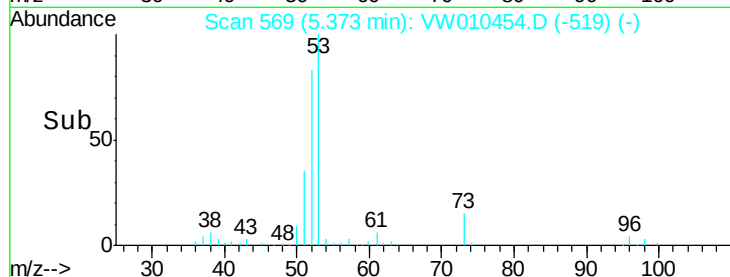
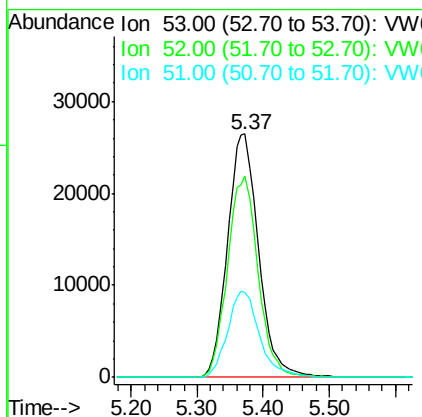
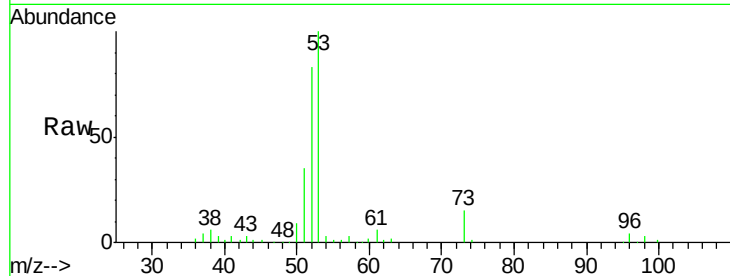
ClientSampleId :

ICVW052019

Tot Ion:	53	Resp:	86112
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.6	98.4
51	36.4	29.5	44.3

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#16

Acetone

Concen: 250.671 ug/l

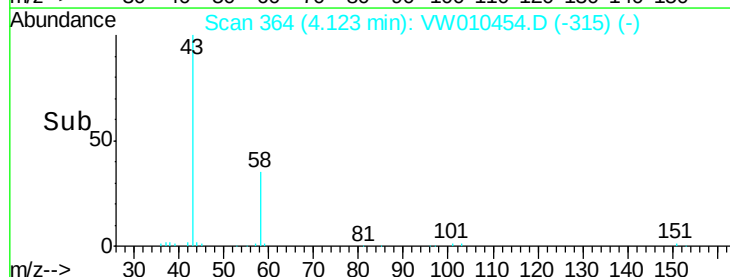
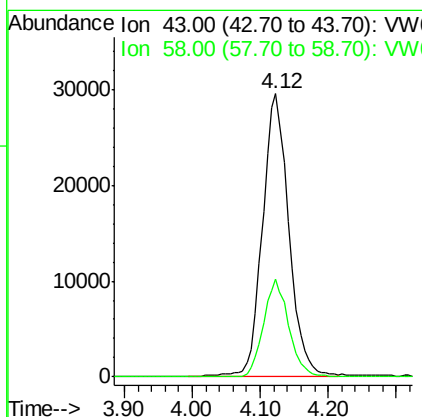
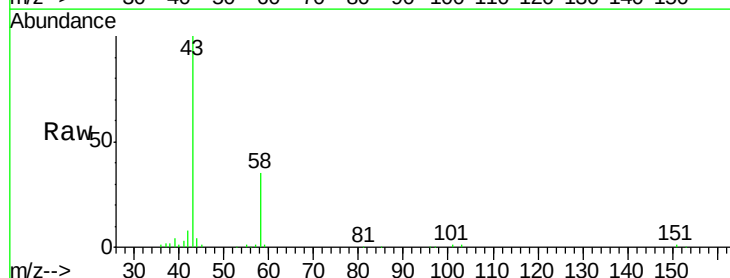
RT: 4.12 min Scan# 364

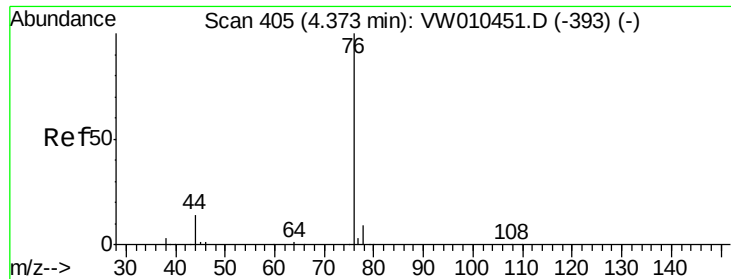
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	43	Resp:	80582
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.0	40.4





#17

Carbon Disulfide

Concen: 50.497 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 76 Resp: 242741

Ion Ratio Lower Upper

76 100

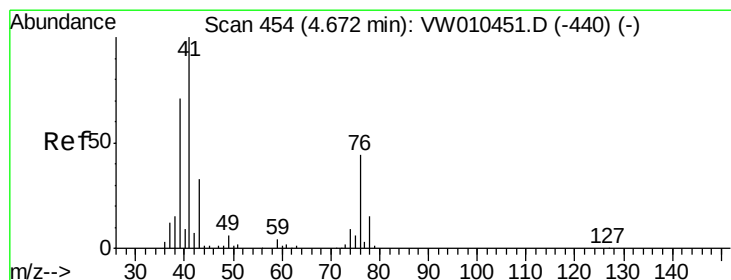
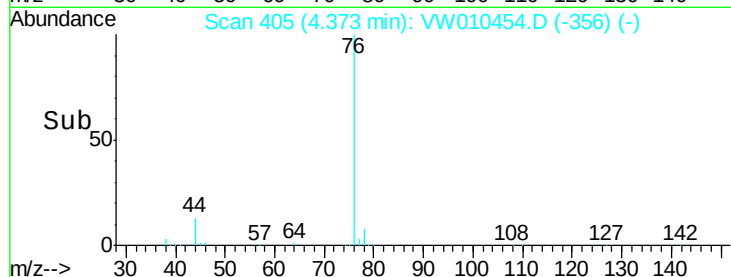
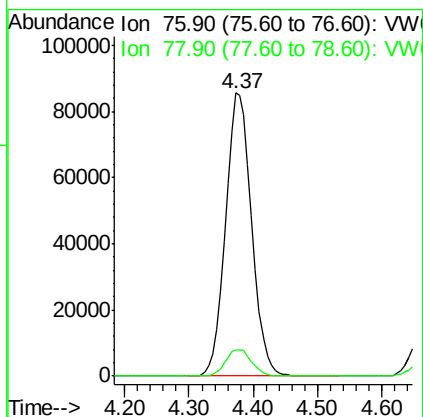
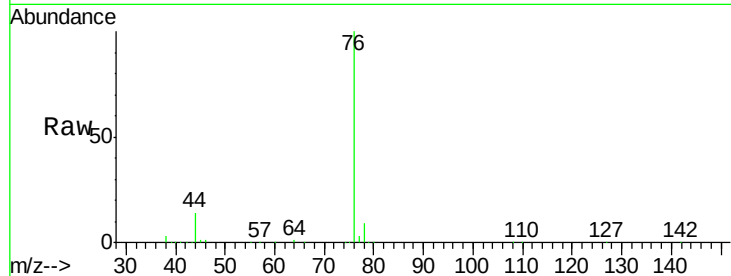
78 9.0 7.1 10.7

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#18

Methyl Acetate

Concen: 44.333 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010454.D

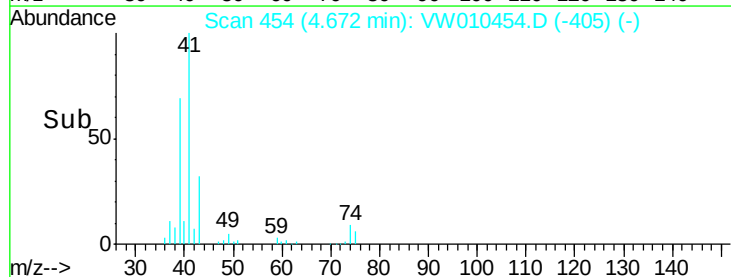
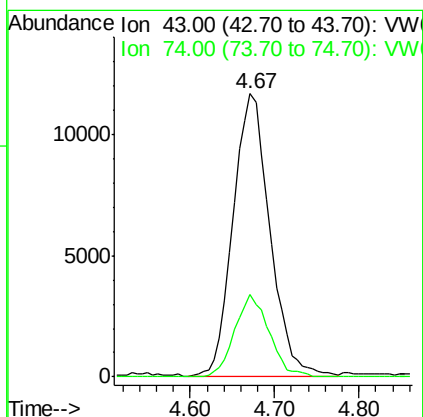
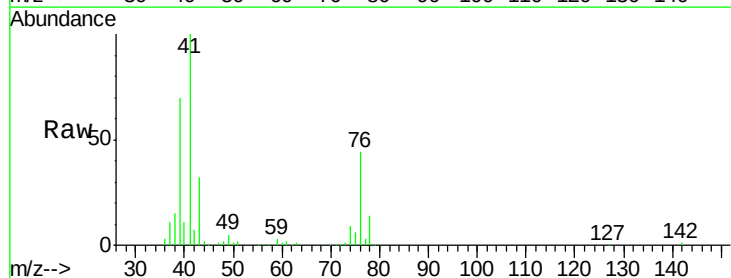
Acq: 20 May 2019 17:48

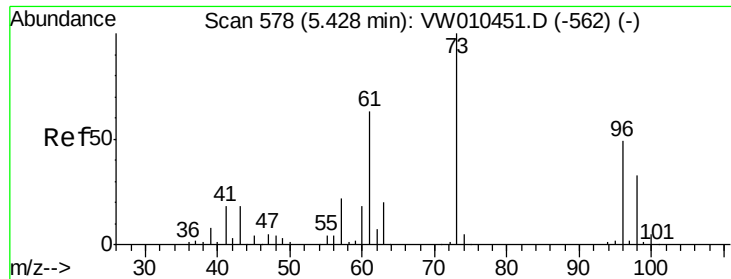
Tgt Ion: 43 Resp: 34855

Ion Ratio Lower Upper

43 100

74 27.0 21.6 32.4





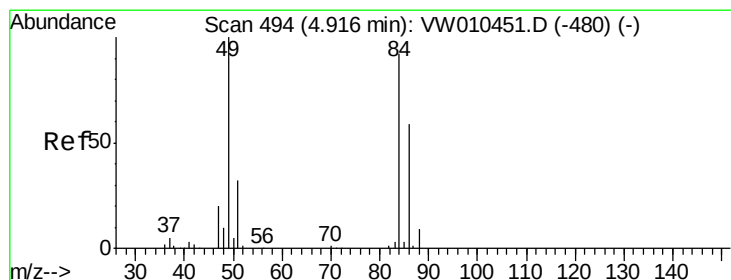
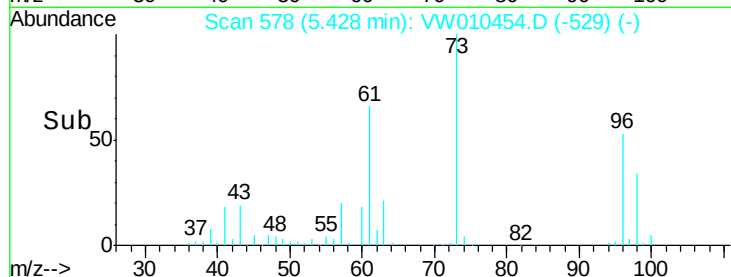
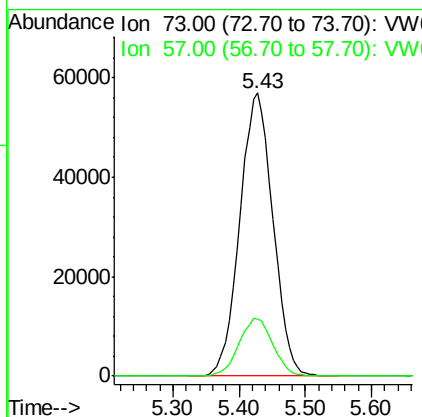
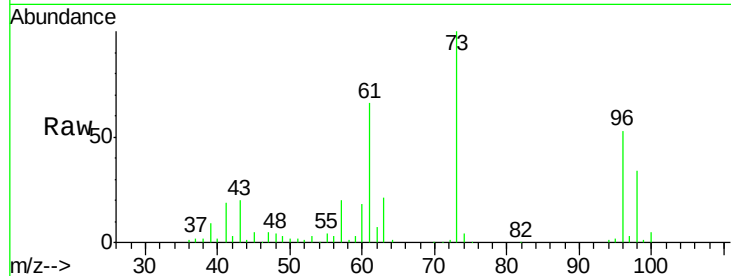
#19
Methyl tert-butyl Ether
Concen: 48.173 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion: 73 Resp: 197923
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

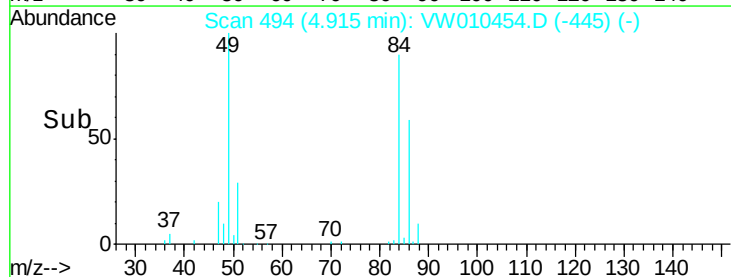
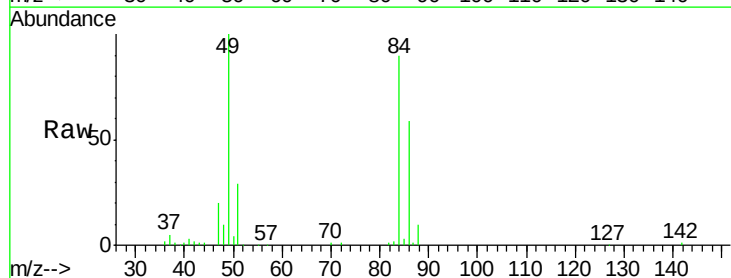
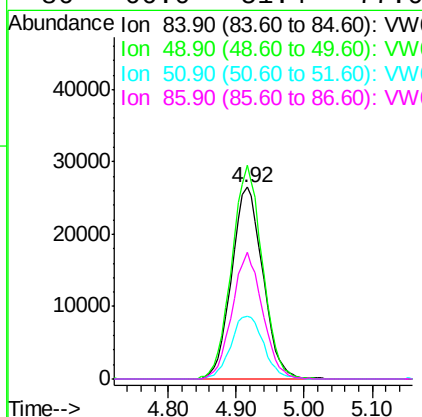
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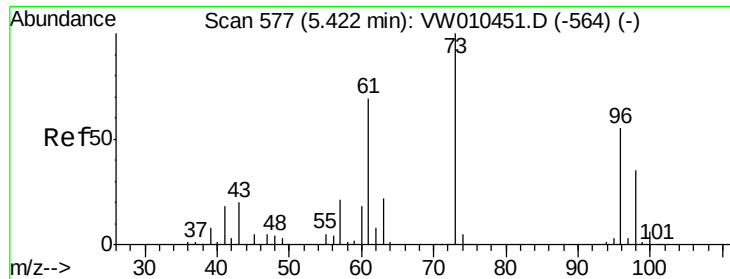
MMDadoda
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#20
Methylene Chloride
Concen: 44.307 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 84 Resp: 84662
Ion Ratio Lower Upper
84 100
49 111.3 87.2 130.8
51 32.8 27.7 41.5
86 66.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.604 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

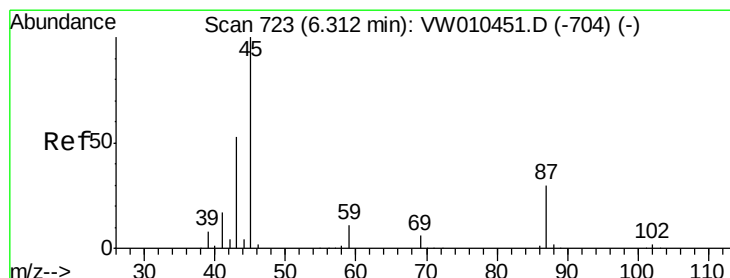
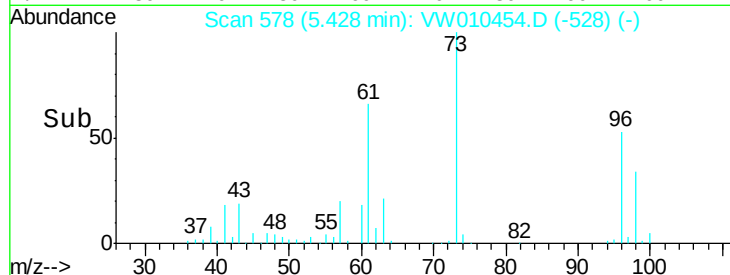
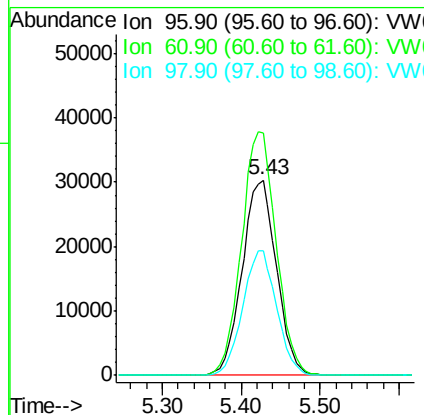
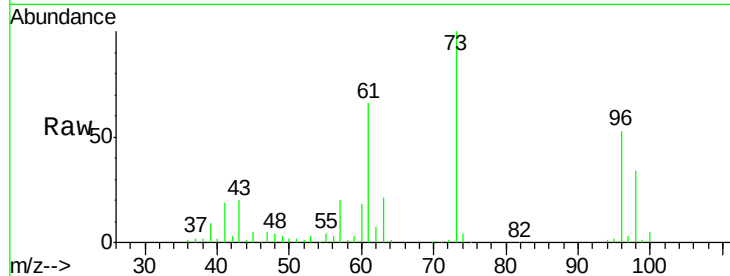
ClientSampleId :

ICVW052019

Tot Ion:	96	Resp:	91697
Ion	Ratio	Lower	Upper
96	100		
61	123.8	101.4	152.0
98	63.7	50.6	76.0

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#22

Diisopropyl ether

Concen: 48.517 ug/l

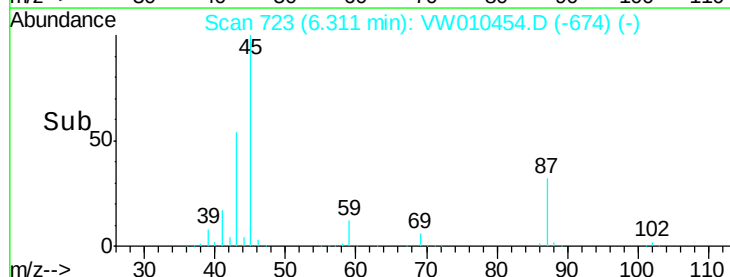
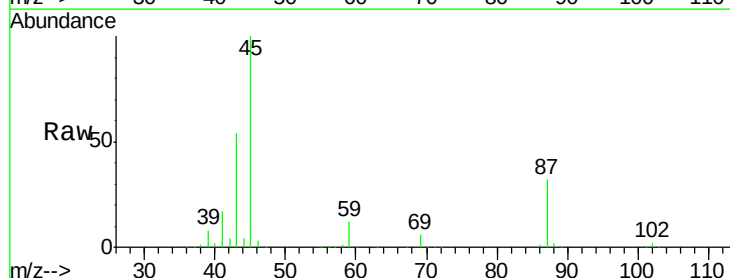
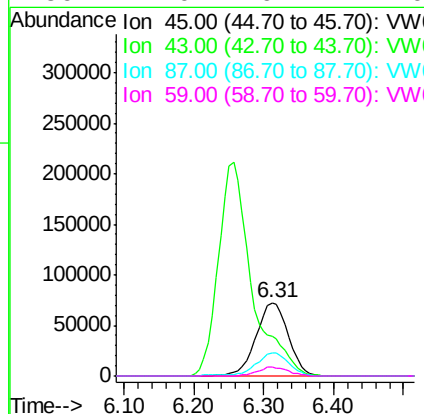
RT: 6.31 min Scan# 723

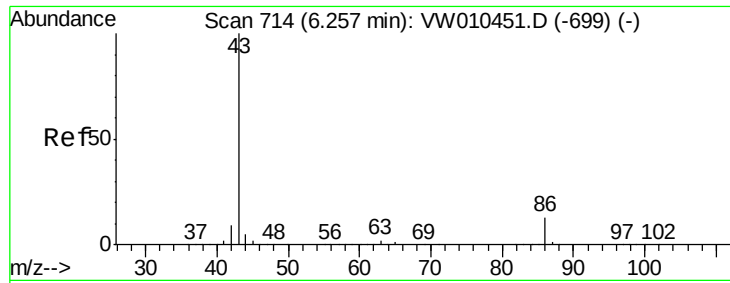
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	45	Resp:	232074
Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.9	64.3
87	31.6	24.6	36.8
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 245.445 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 43 Resp: 701313

Ion Ratio Lower Upper

43 100

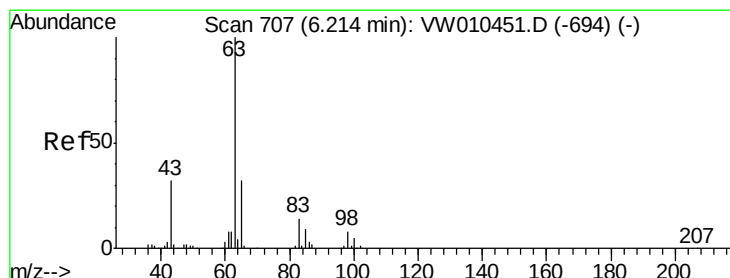
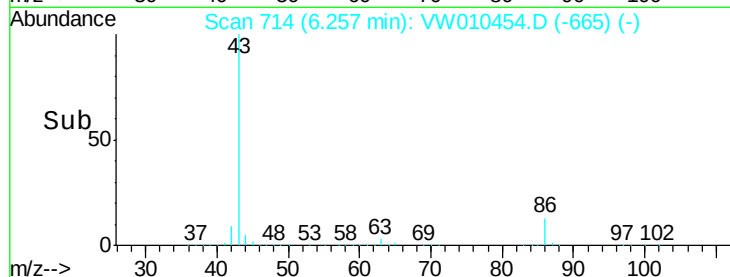
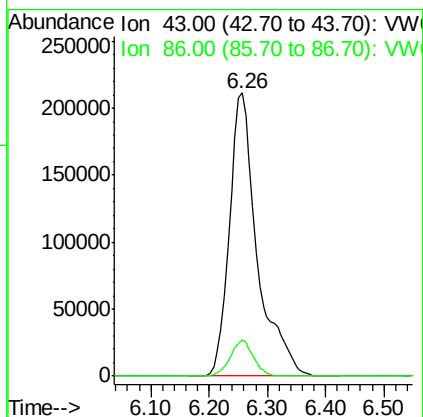
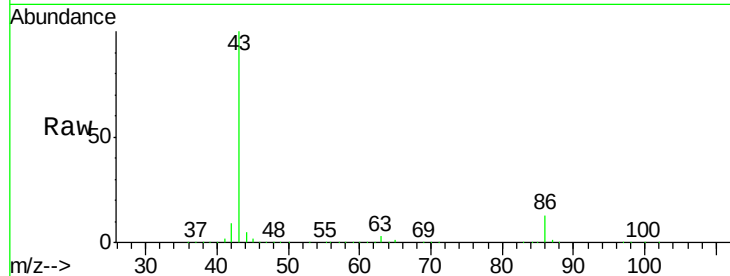
86 12.8 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 49.589 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

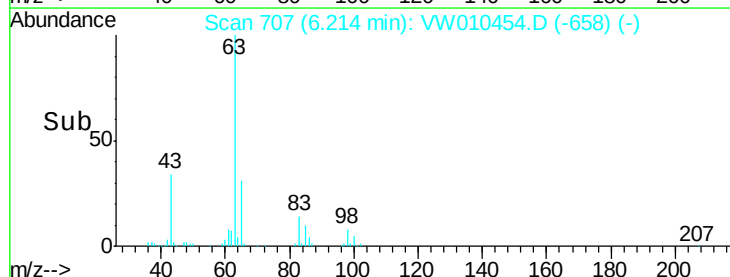
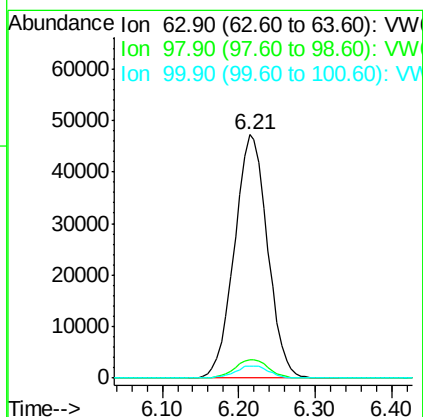
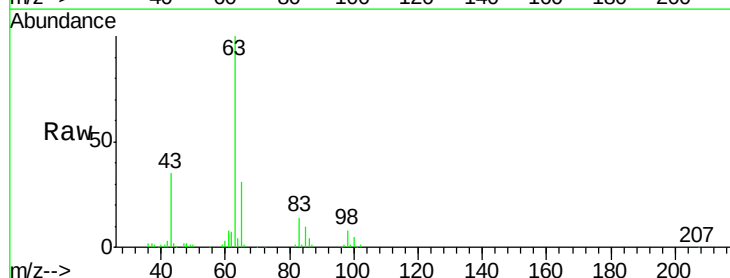
Tgt Ion: 63 Resp: 141553

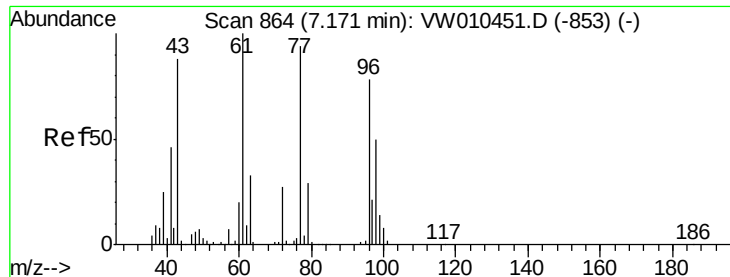
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 234.487 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 43 Resp: 107875

Ion Ratio Lower Upper

43 100

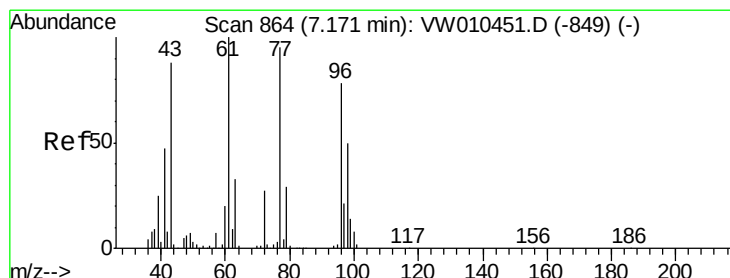
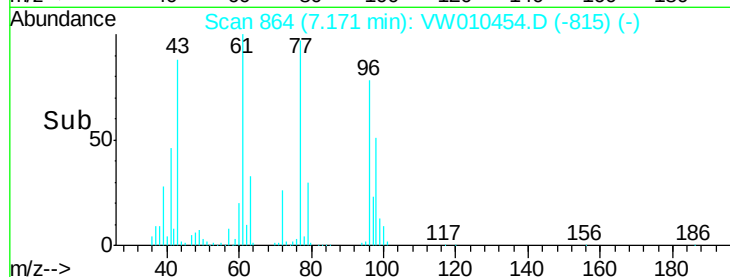
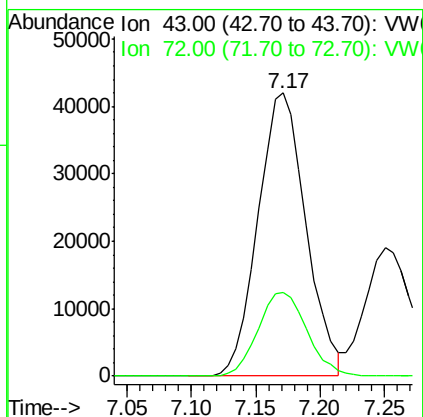
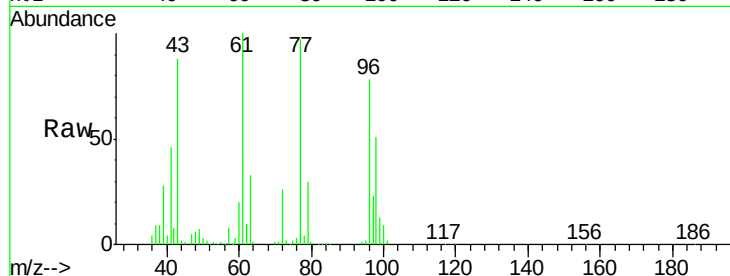
72 29.6 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 49.843 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010454.D

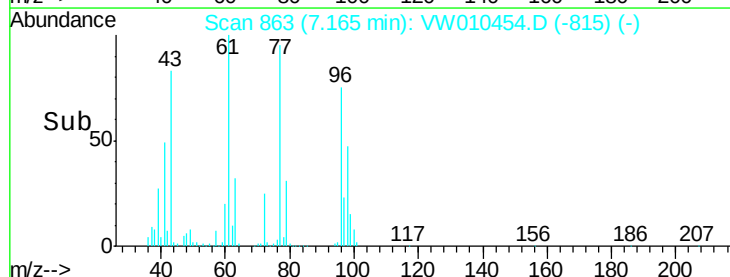
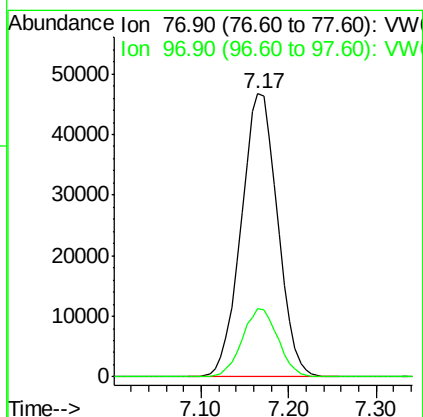
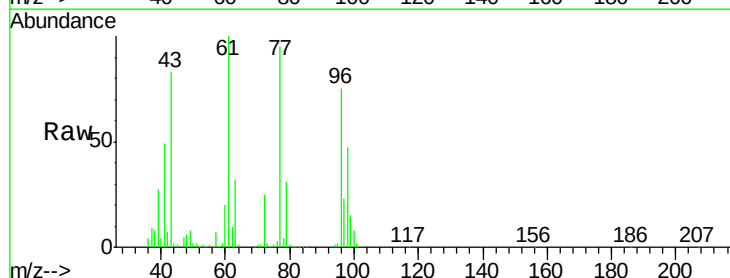
Acq: 20 May 2019 17:48

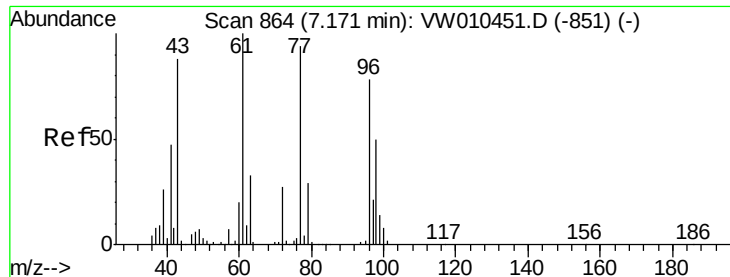
Tgt Ion: 77 Resp: 135526

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

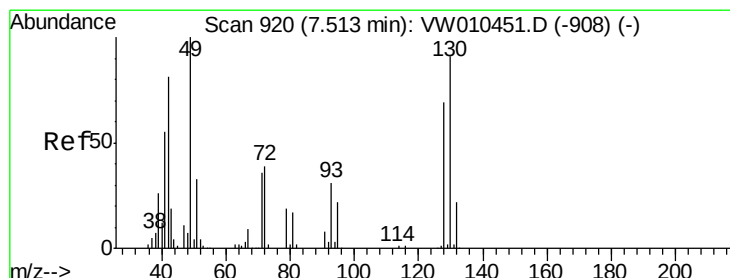
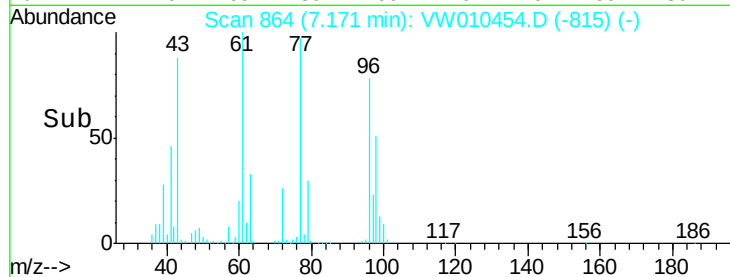
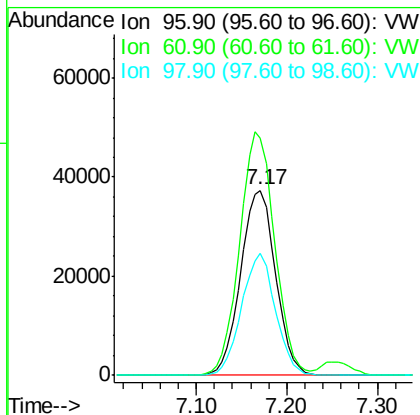
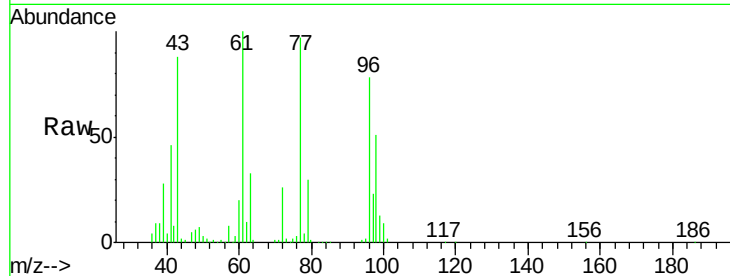
cis-1,2-Dichloroethene
Concen: 49.590 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.9	0.0	265.4	
98	63.8	0.0	129.4	

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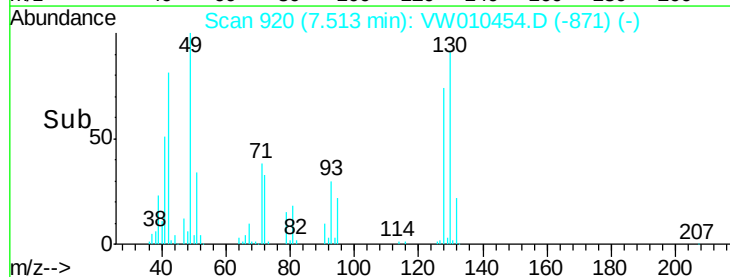
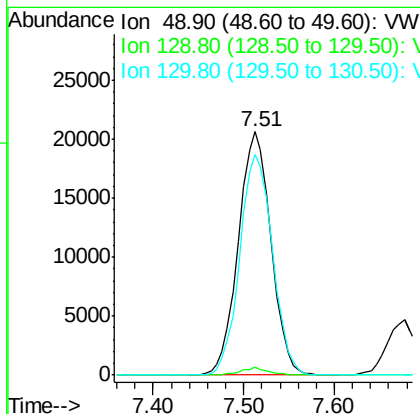
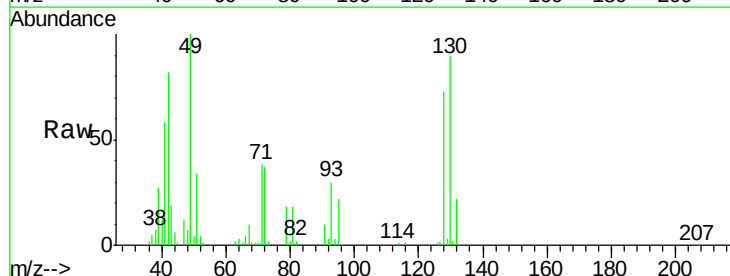
MMDadoda
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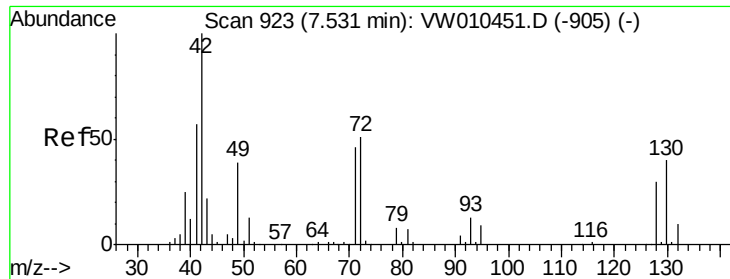


#28

Bromochloromethane
Concen: 50.365 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	90.5	71.2	106.8	





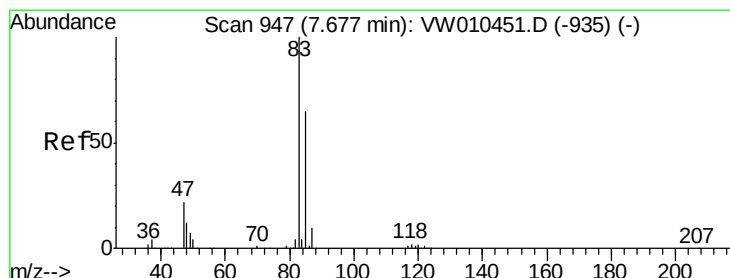
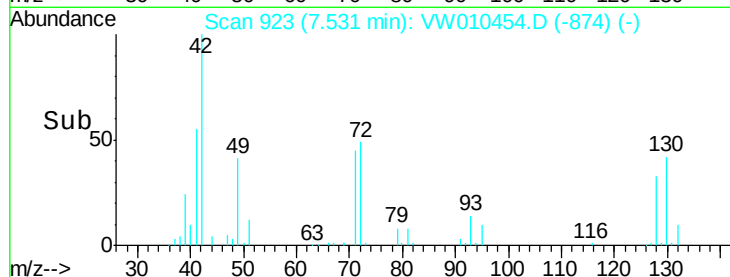
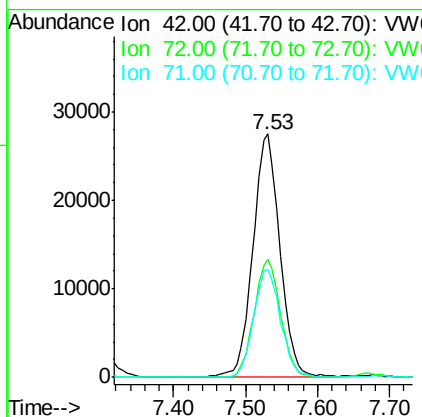
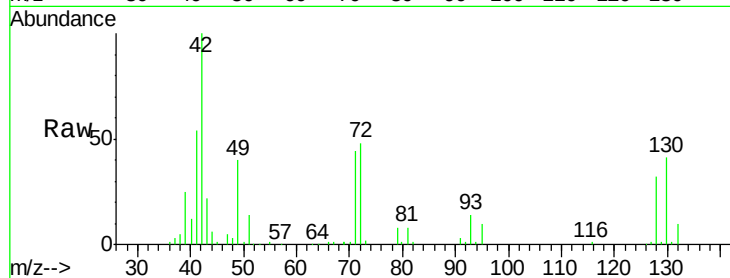
#29
Tetrahydrofuran
Concen: 230.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.5	57.7
71	44.3	36.5	54.7

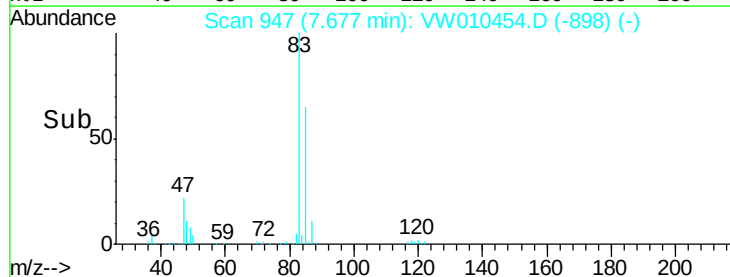
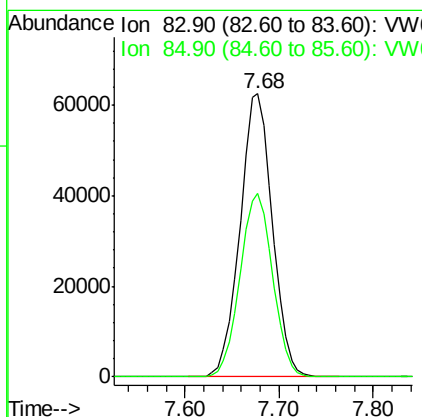
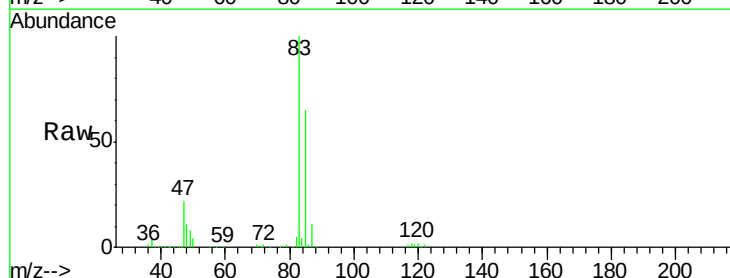
Manual Integrations
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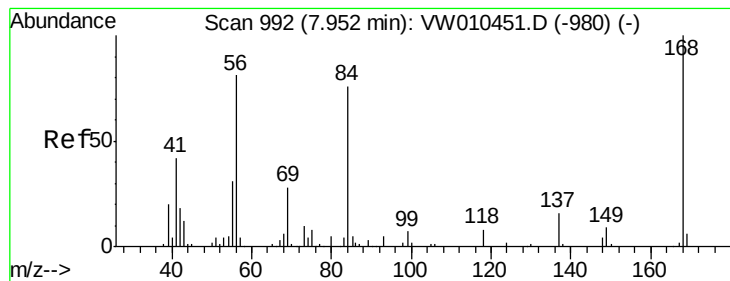
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#30
Chloroform
Concen: 48.730 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





#31

Cyclohexane

Concen: 47.411 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tot Ion:	56	Resp:	141762
Ion	Ratio	Lower	Upper
56	100		
69	35.3	28.2	42.2
84	93.3	75.8	113.8

Instrument :

MSVOA_W

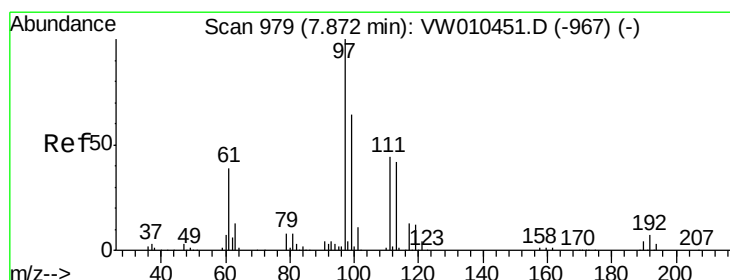
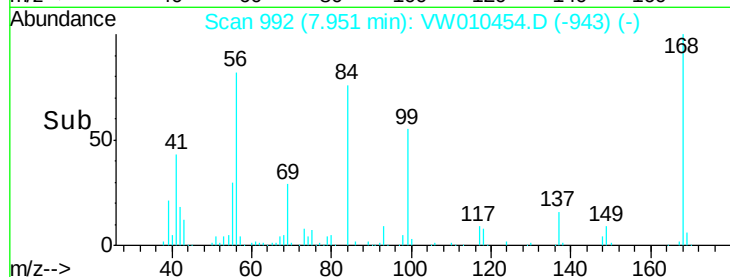
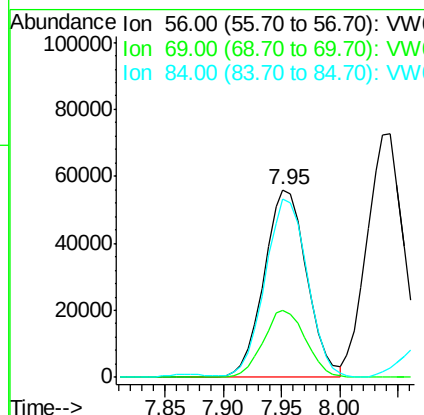
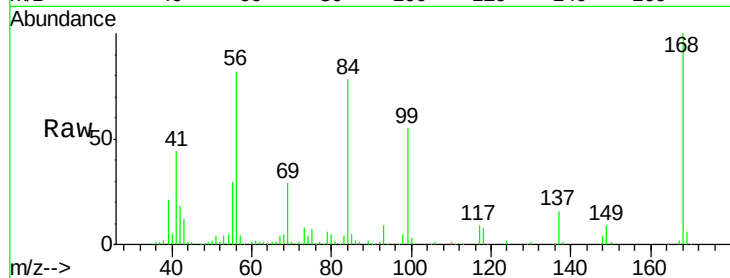
ClientSampled :

ICVW052019

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.592 ug/l

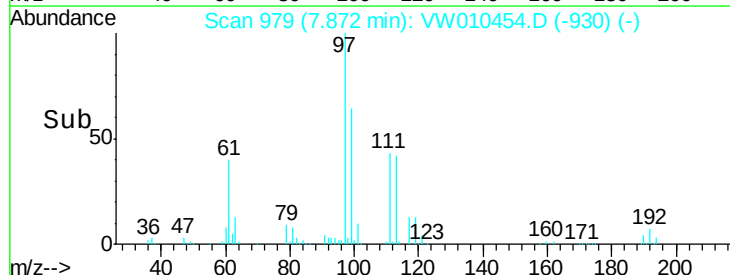
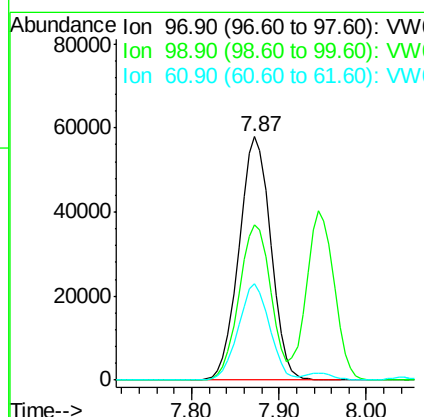
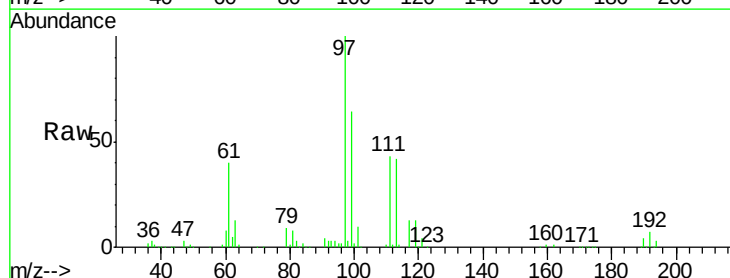
RT: 7.87 min Scan# 979

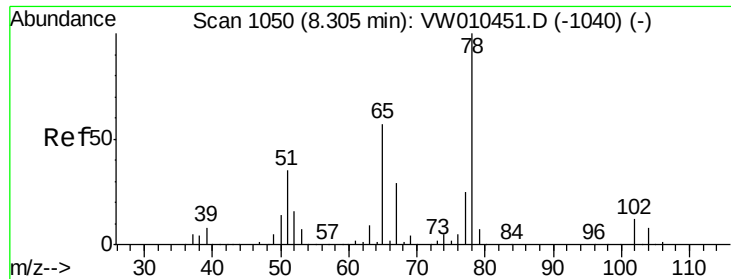
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	97	Resp:	145942
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	39.0	32.1	48.1





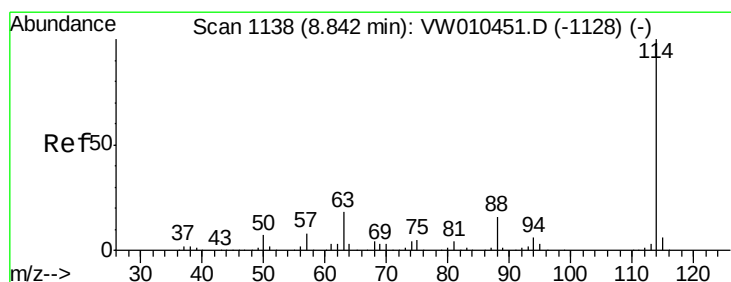
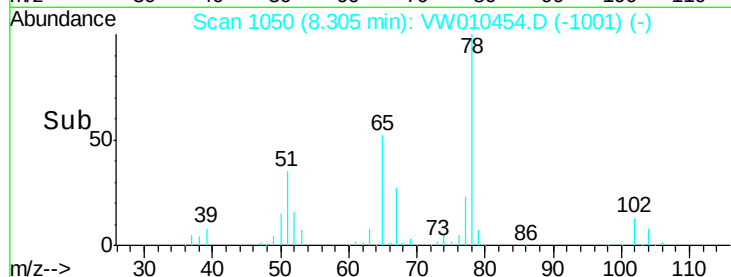
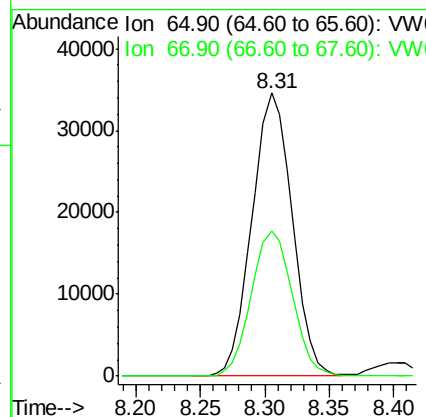
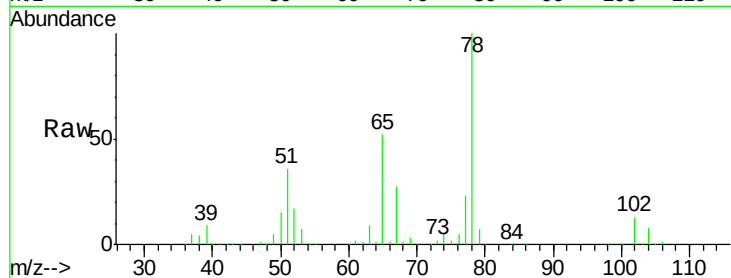
#33
 1,2-Dichloroethane-d4
 Concen: 47.629 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.6	

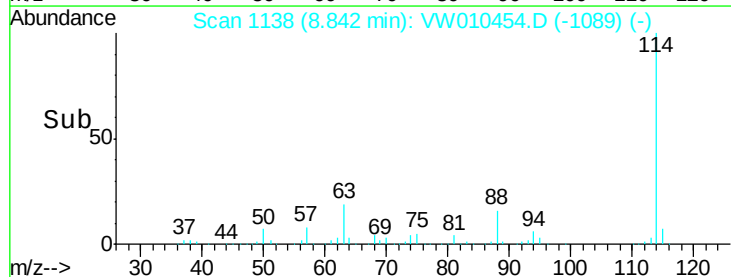
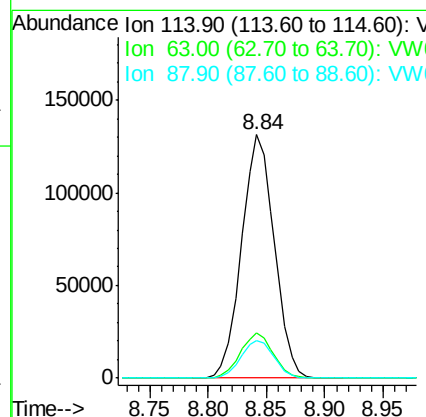
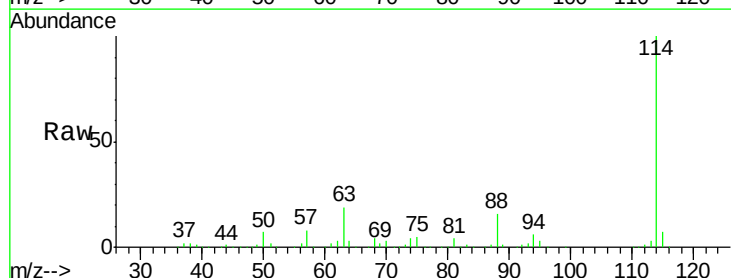
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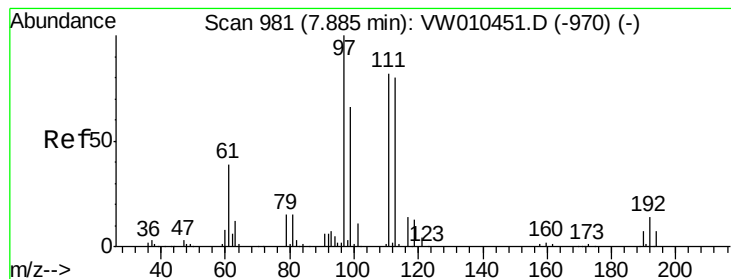
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 5/21/2019 11:28:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	36.0	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.586 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

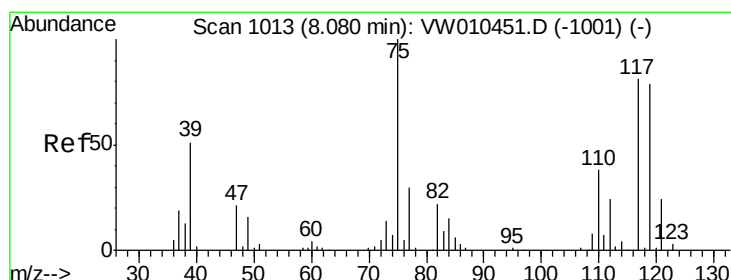
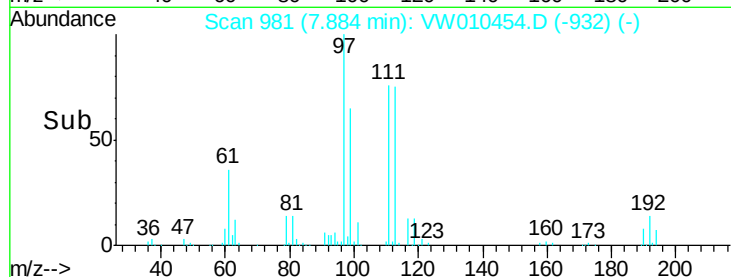
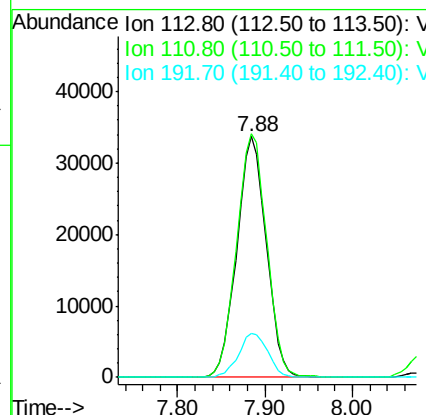
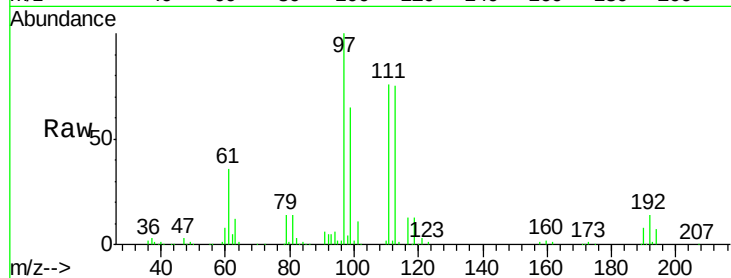
ClientSampleId :

ICVW052019

Tot Ion:	113	Resp:	78975
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	18.2	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 49.680 ug/l

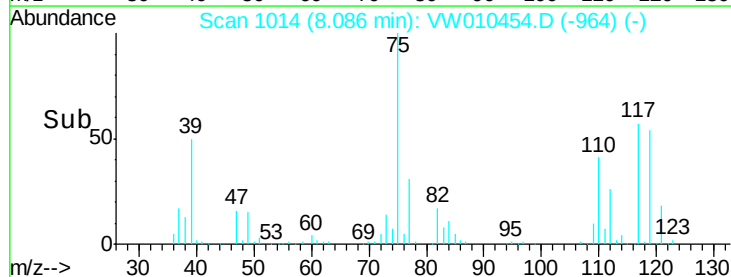
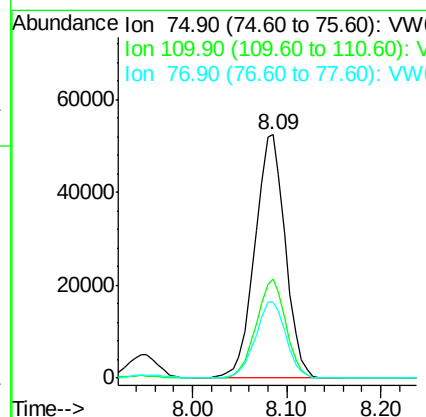
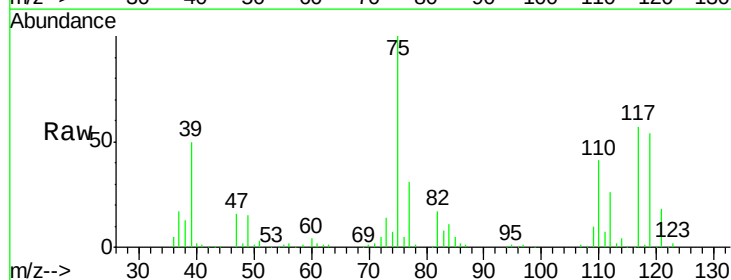
RT: 8.09 min Scan# 1014

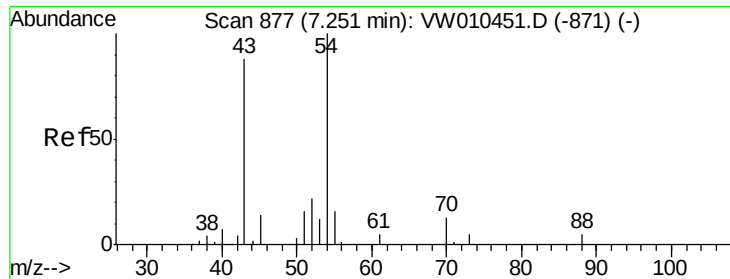
Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	75	Resp:	119072
Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.2	57.6
77	31.7	25.2	37.8





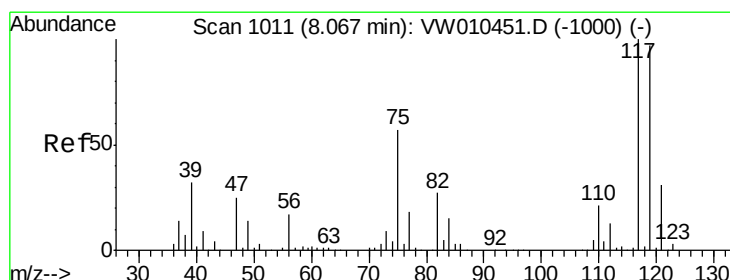
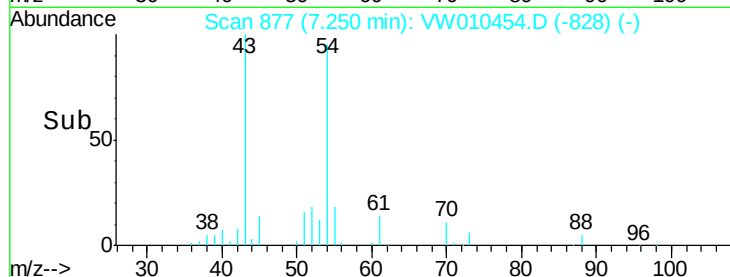
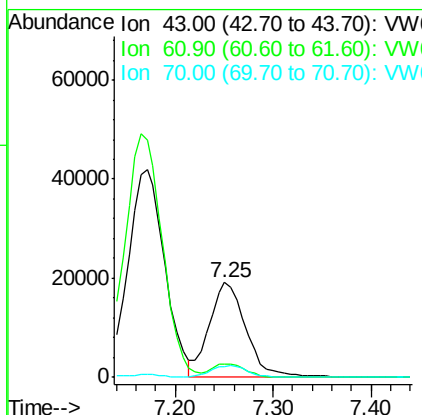
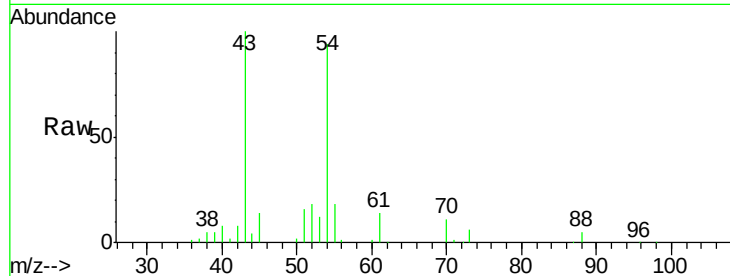
#37
Ethyl Acetate
Concen: 47.850 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.6	9.9	14.9

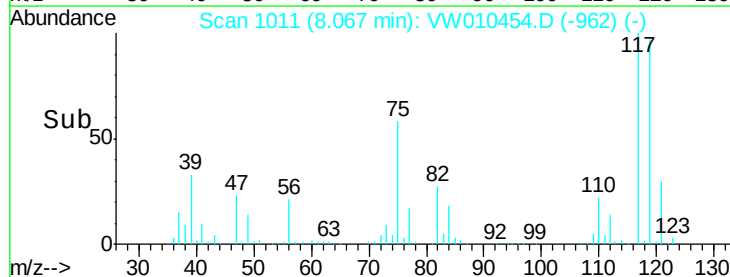
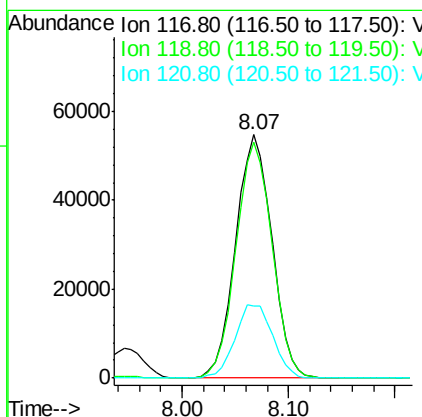
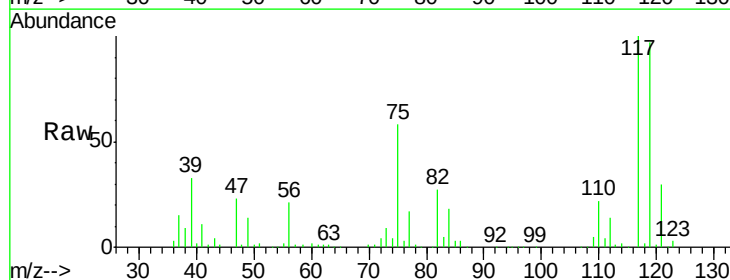
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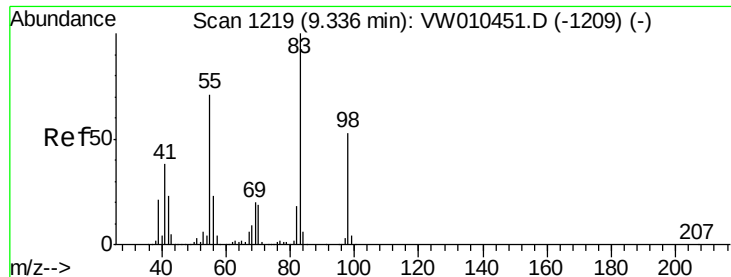
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#38
Carbon Tetrachloride
Concen: 50.729 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
121	29.9	25.0	37.6





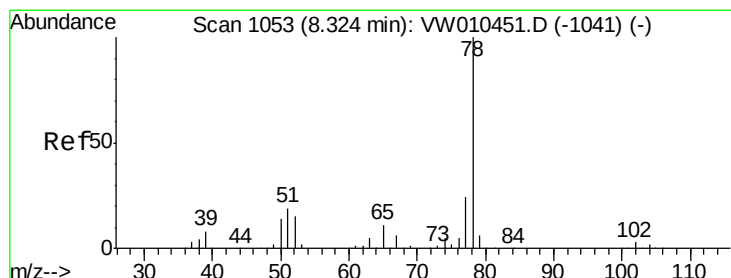
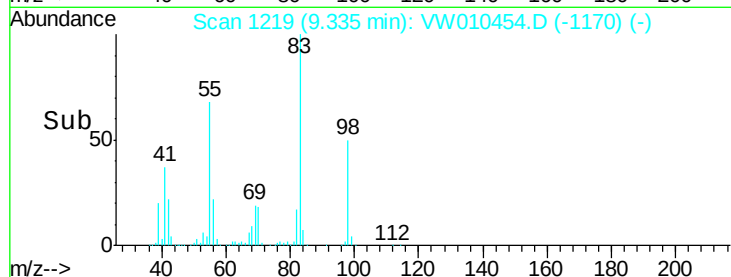
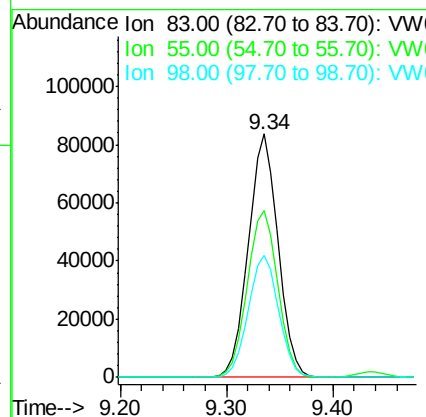
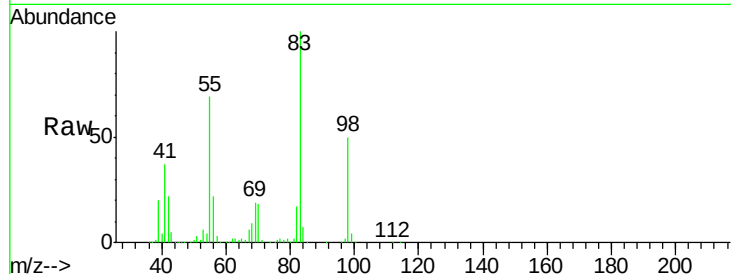
#39
Methylvlcyclohexane
Concen: 51.178 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	83	Resp	164338
Ion Ratio	Lower	Upper	
83	100		
55	68.6	57.0	85.6
98	50.1	42.0	63.0

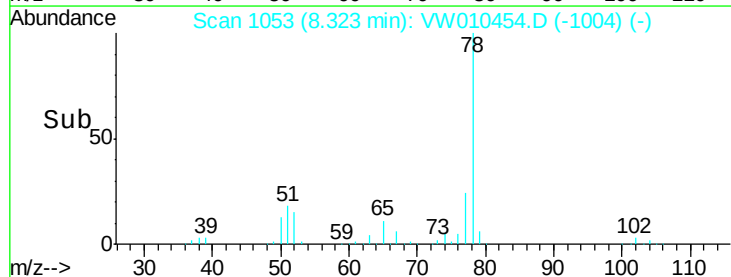
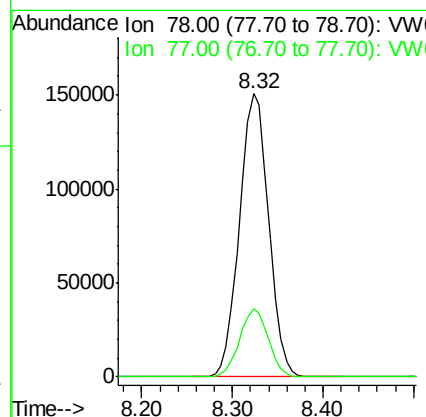
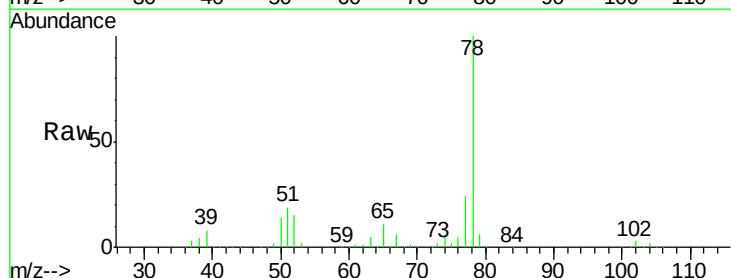
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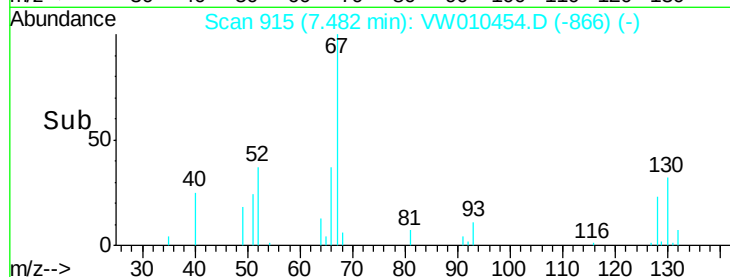
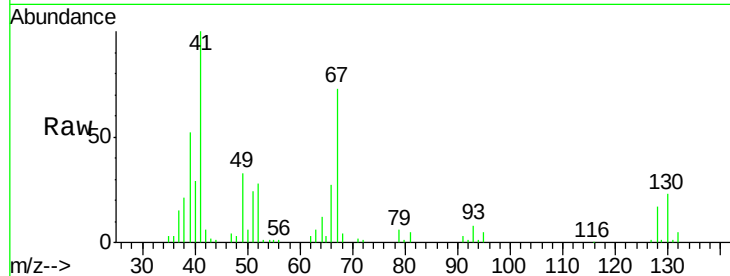
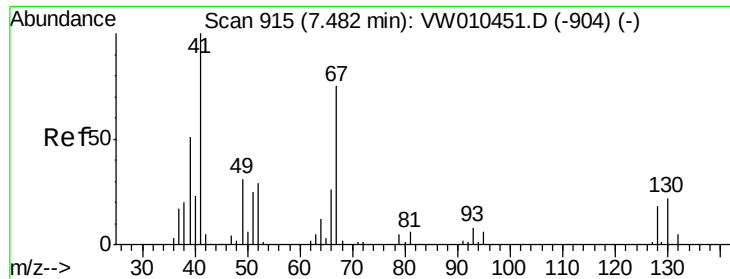
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#40
Benzene
Concen: 50.476 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	78	Resp	336262
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.9	28.3





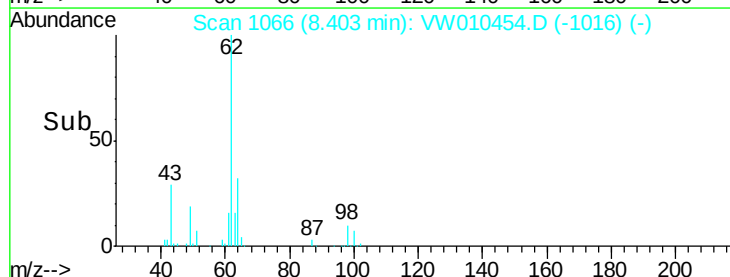
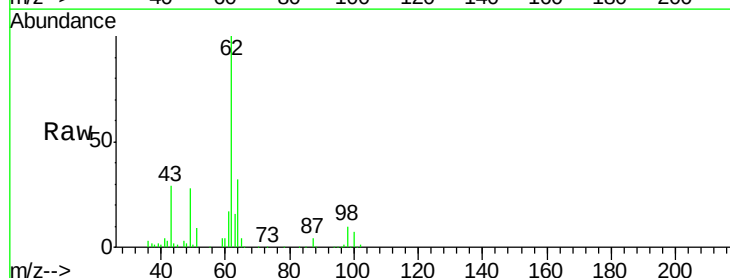
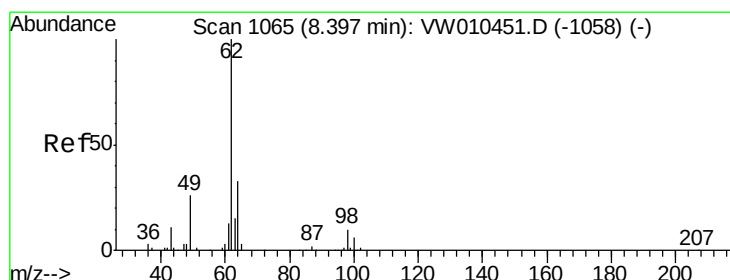
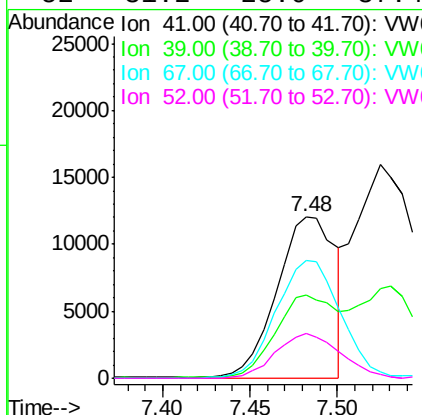
#41
Methacrylonitrile
Concen: 46.442 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	28125		
39	39	52.8		47.4	71.2
67	67	81.3		65.5	98.3
52	52	31.2		25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

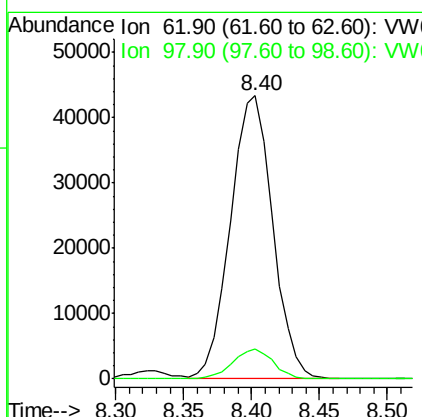
Manual Integrations
APPROVED

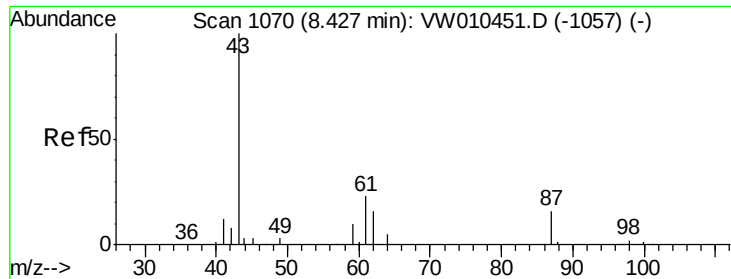
MMDadoda
5/21/2019 11:28:57 AM



#42
1,2-Dichloroethane
Concen: 49.332 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	93928		
98	98	10.2		0.0	21.0





#43

Isopropyl Acetate

Concen: 48.266 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

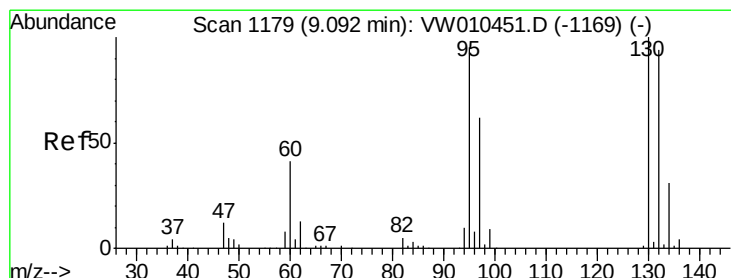
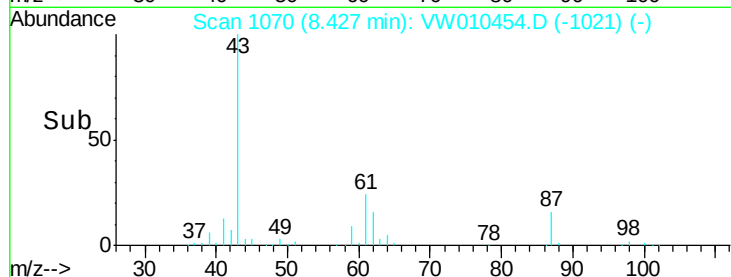
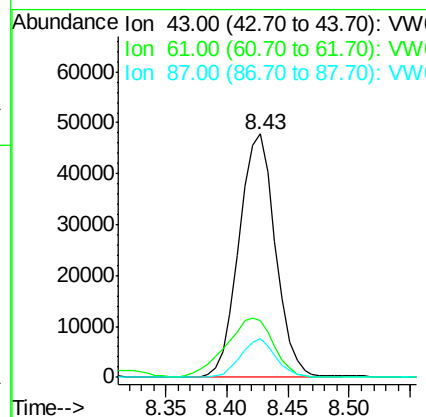
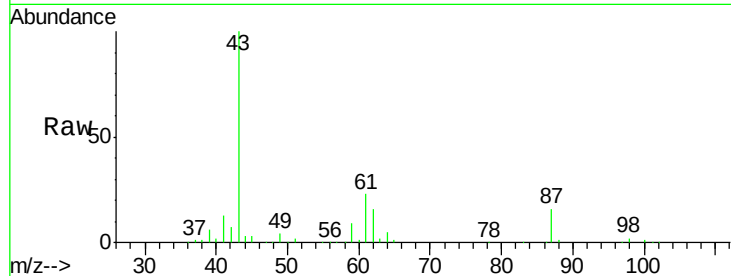
ClientSampleId :

ICVW052019

Tot Ion:	43	Resp:	98279
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.4	38.2
87	15.3	12.7	19.1

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#44

Trichloroethene

Concen: 51.181 ug/l

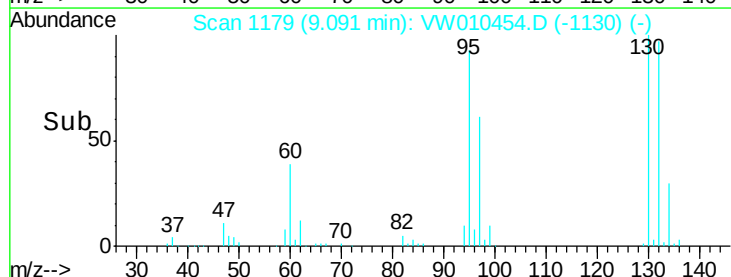
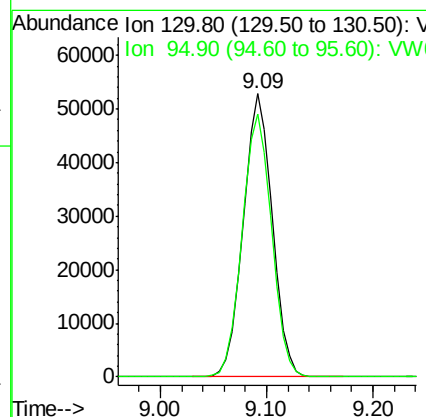
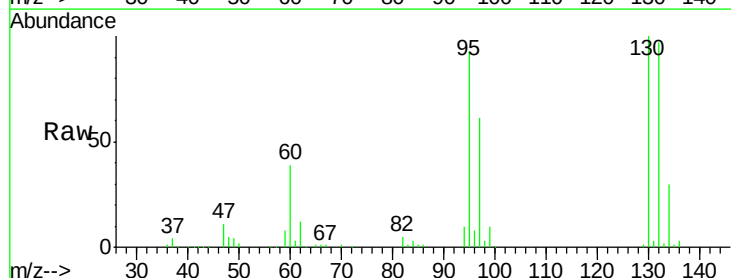
RT: 9.09 min Scan# 1179

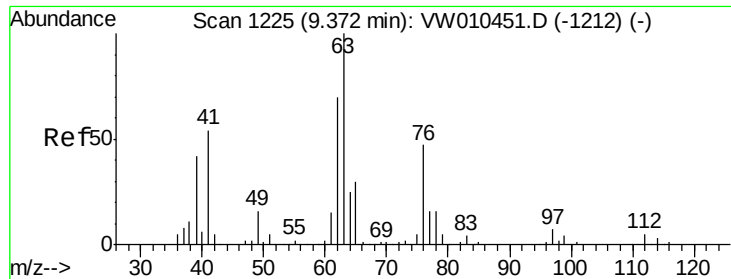
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	130	Resp:	101223
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	189.6





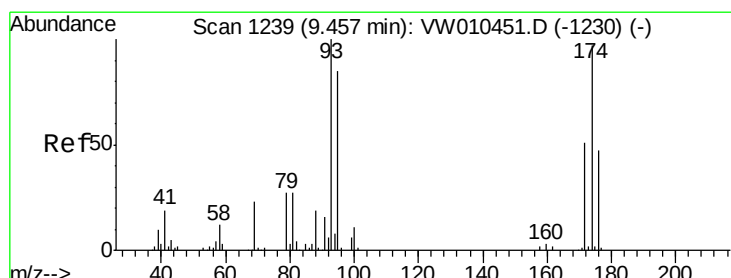
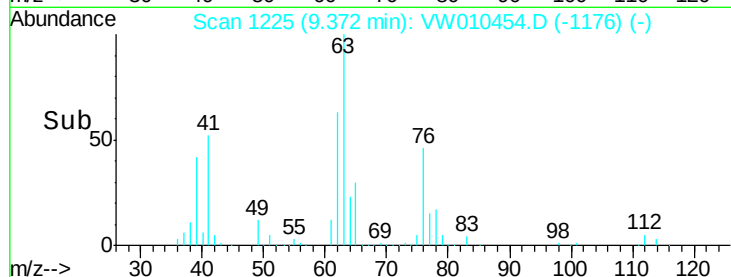
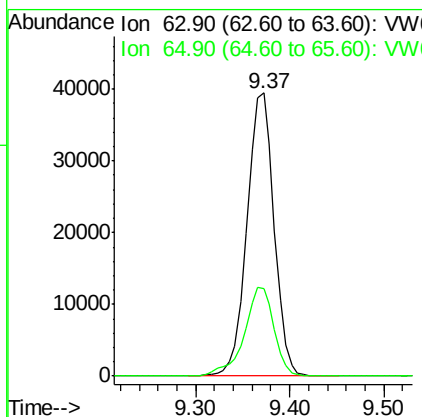
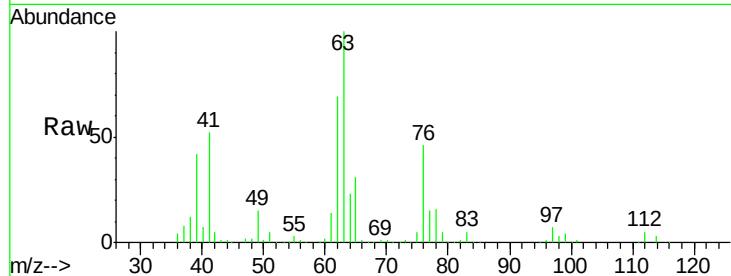
#45
 1,2-Dichloropropane
 Concen: 50.455 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW052019

Tot Ion: 63 Resp: 79827
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5

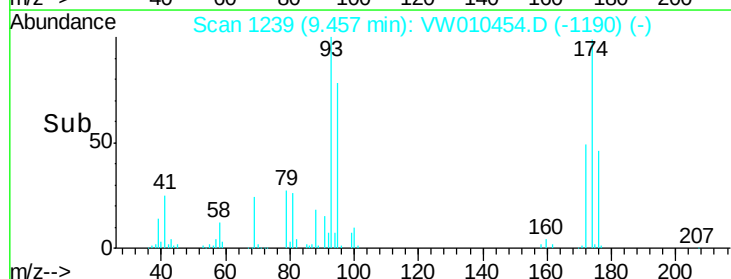
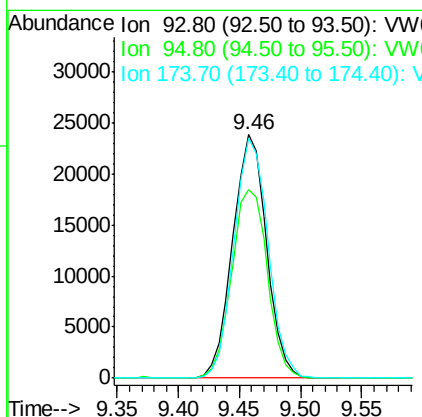
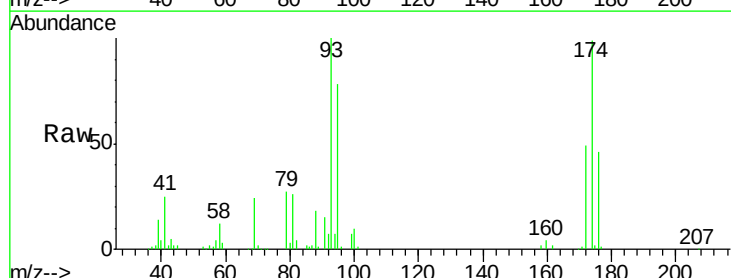
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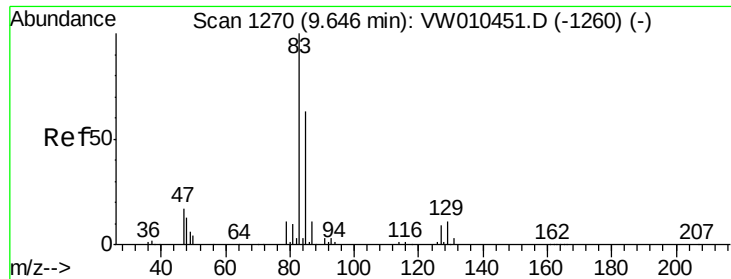
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#46
 Dibromomethane
 Concen: 49.424 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 93 Resp: 45731
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.1 99.1
 174 99.3 77.1 115.7





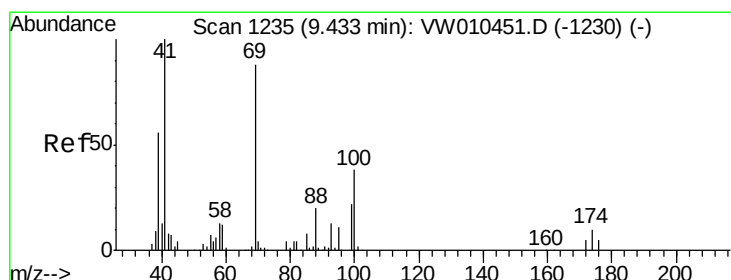
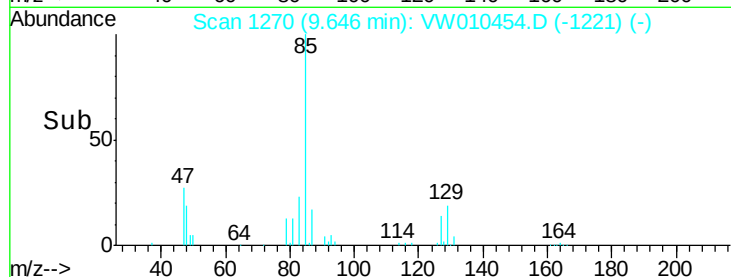
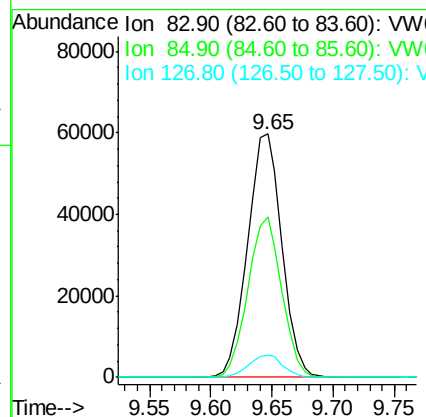
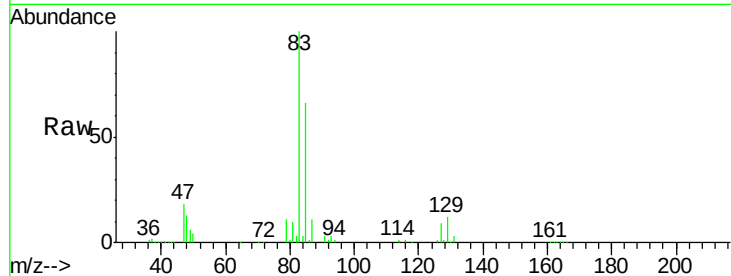
#47
Bromodichloromethane
Concen: 49.869 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115956		
85	66.0		50.4	75.6
127	9.3		7.4	11.0

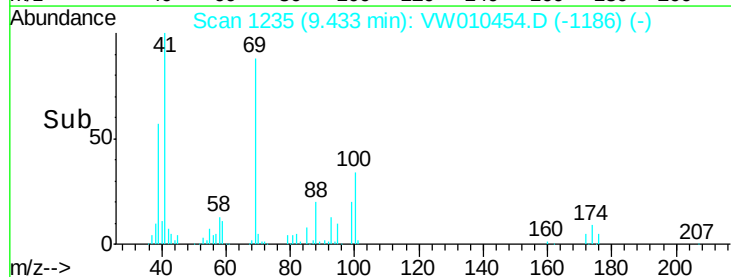
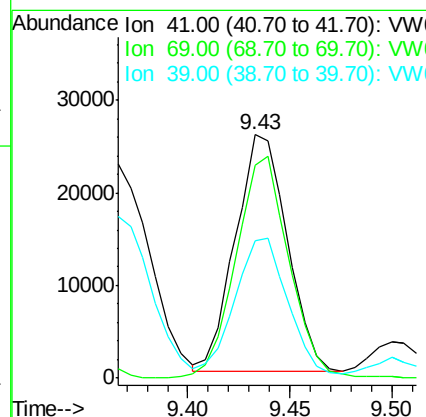
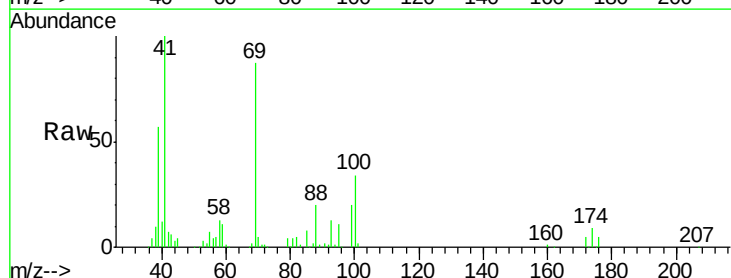
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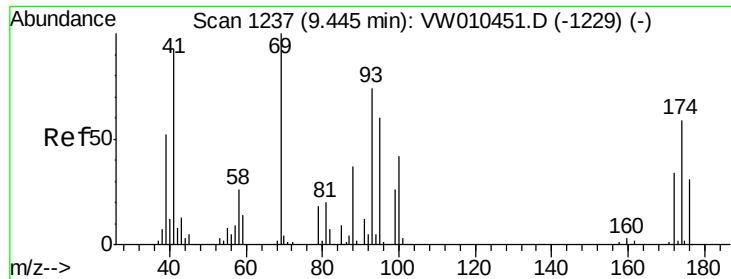
MMDadoda
5/21/2019 11:28:57 AM



#48
Methyl methacrylate
Concen: 48.400 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45086		
69	96.3		77.6	116.4
39	61.5		49.8	74.8





#49

1,4-Dioxane

Concen: 968.907 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 88 Resp: 14645

Ion Ratio Lower Upper

88 100

43 27.3 25.9 38.9

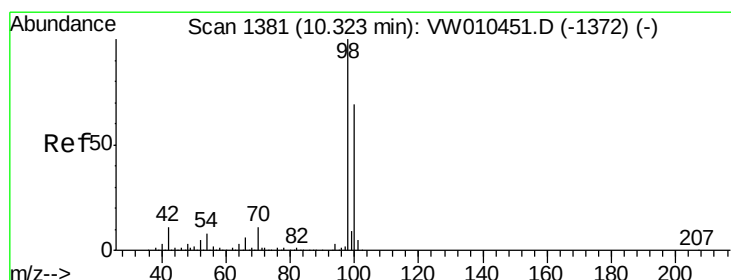
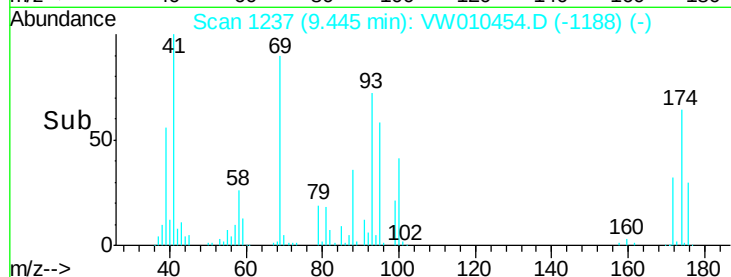
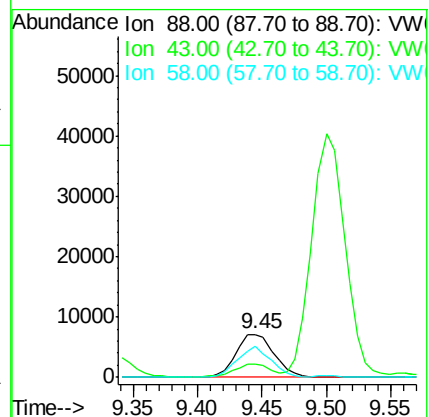
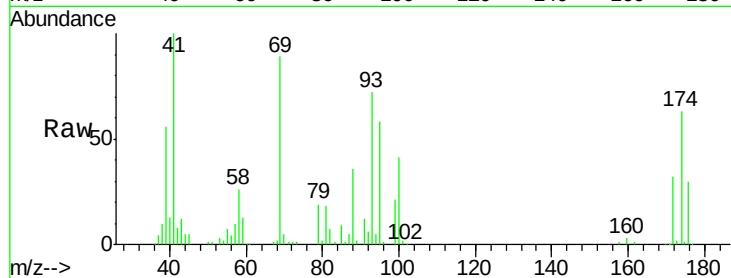
58 65.5 52.7 79.1

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#50

Toluene-d8

Concen: 50.945 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010454.D

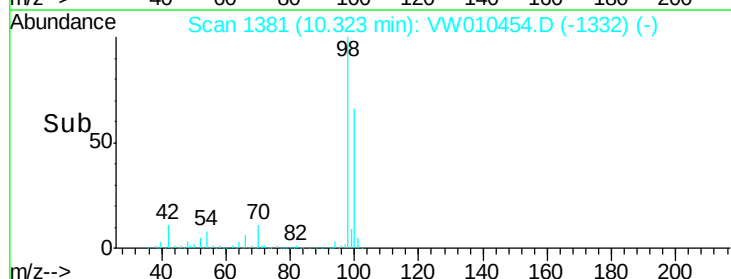
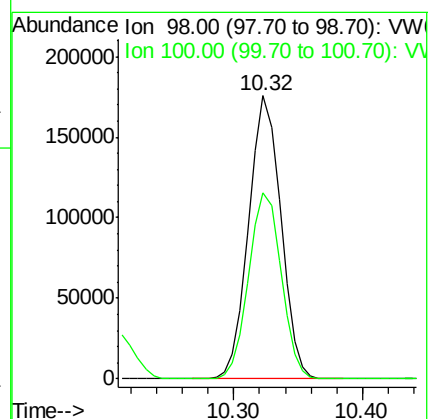
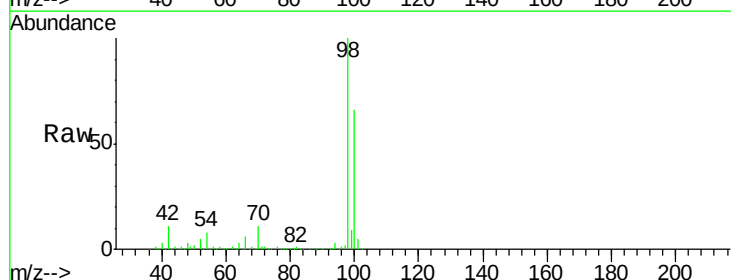
Acq: 20 May 2019 17:48

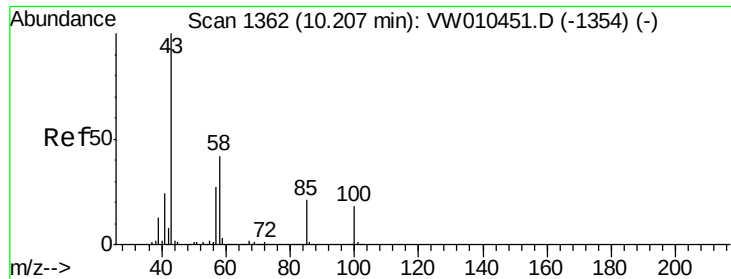
Tgt Ion: 98 Resp: 303842

Ion Ratio Lower Upper

98 100

100 66.5 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 238.889 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 43 Resp: 246483

Ion Ratio Lower Upper

43 100

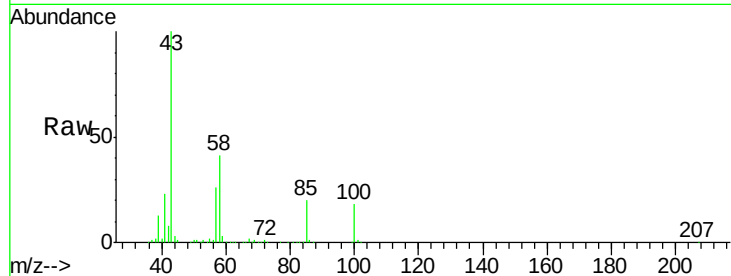
58 41.5 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

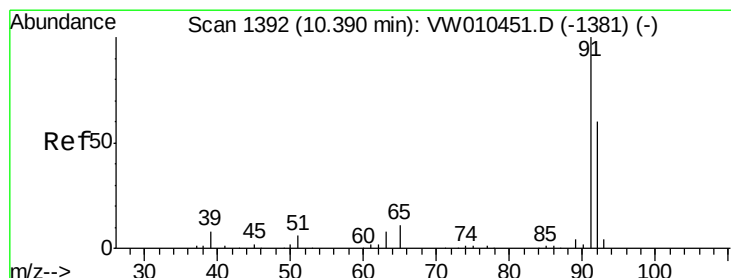
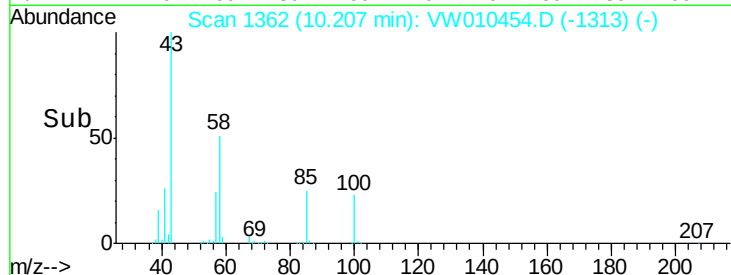
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 50.174 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010454.D

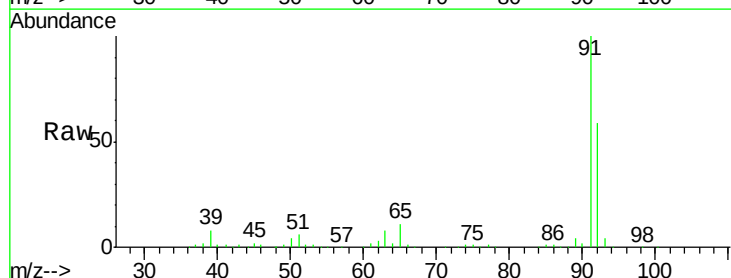
Acq: 20 May 2019 17:48

Tgt Ion: 92 Resp: 224471

Ion Ratio Lower Upper

92 100

91 168.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

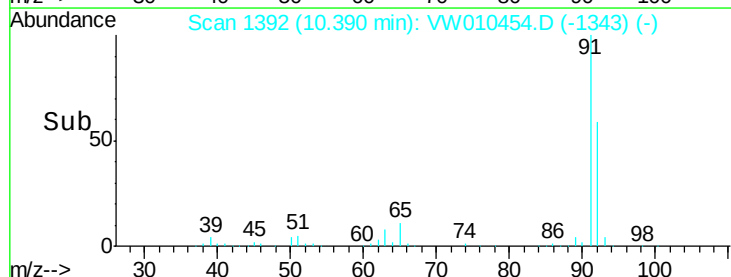
150000

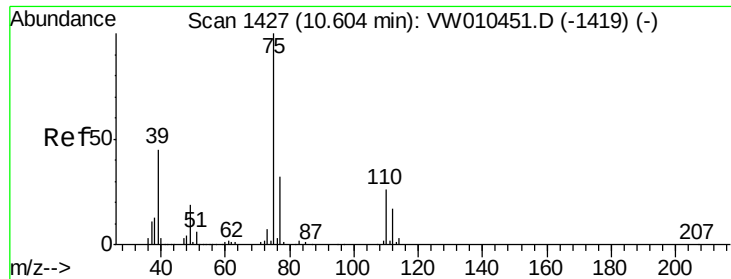
100000

50000

0

Time--> 10.30 10.40 10.50





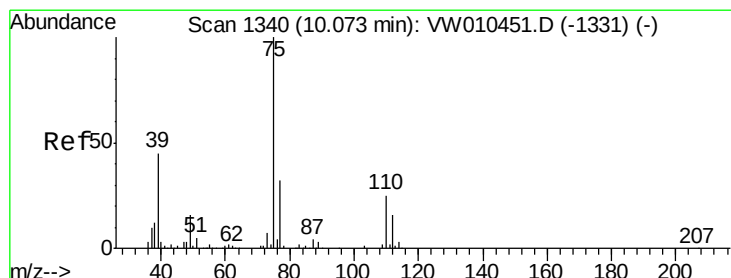
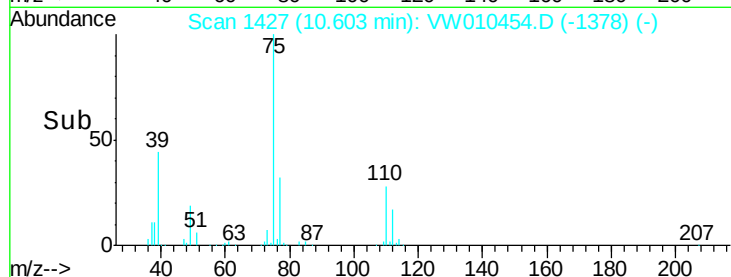
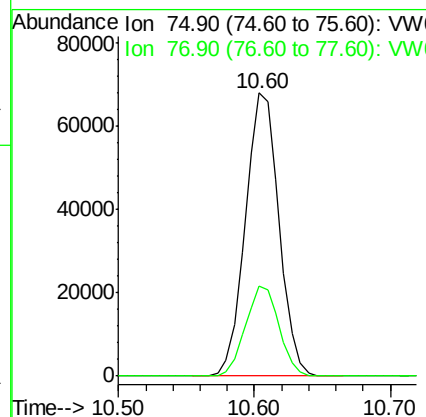
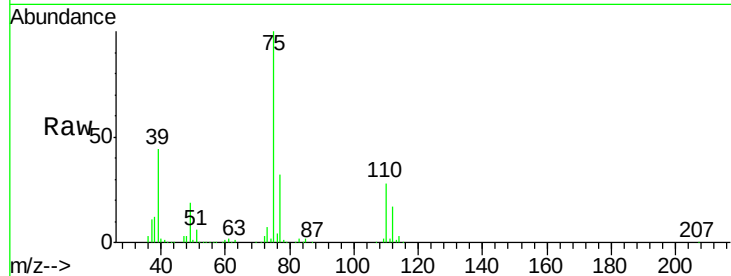
#53
 t-1,3-Dichloropropene
 Concen: 49.854 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

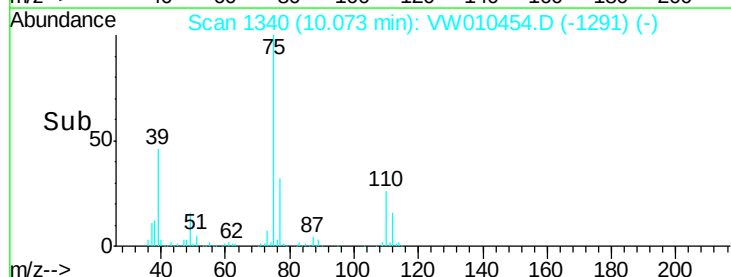
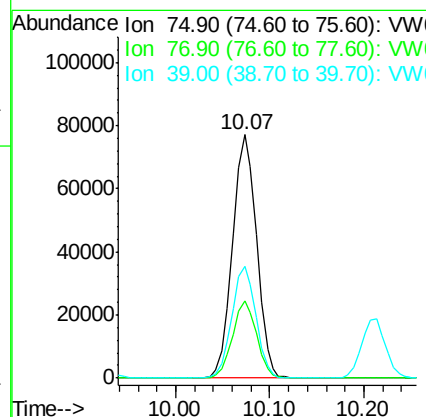
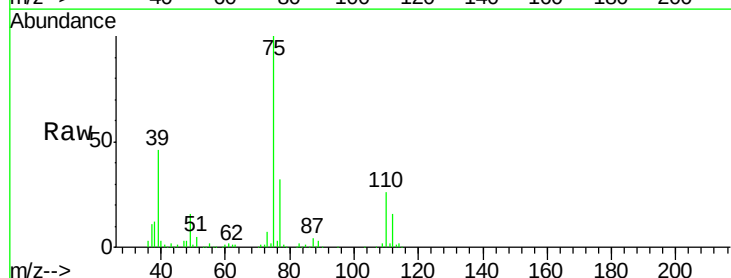
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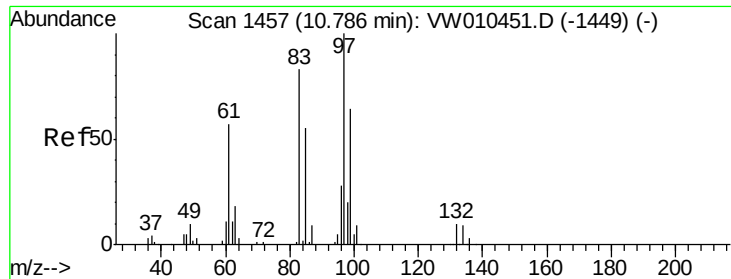
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#54
 cis-1,3-Dichloropropene
 Concen: 50.939 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5
39	45.9	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 50.275 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

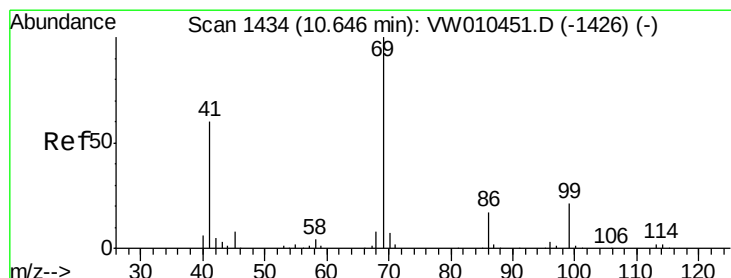
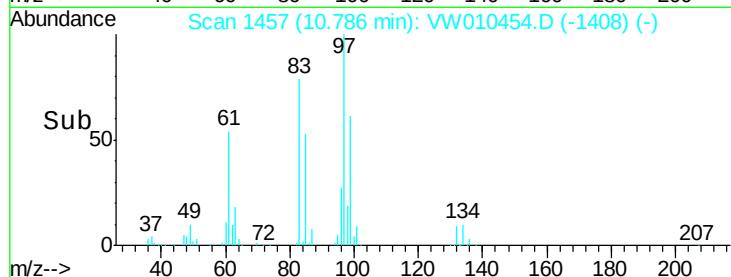
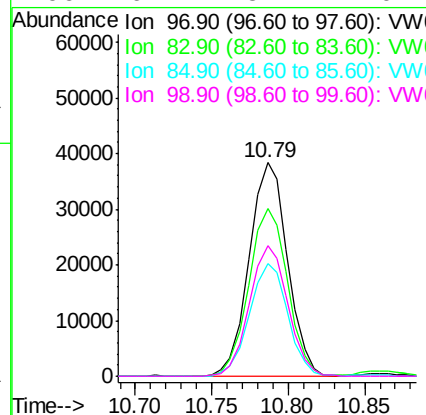
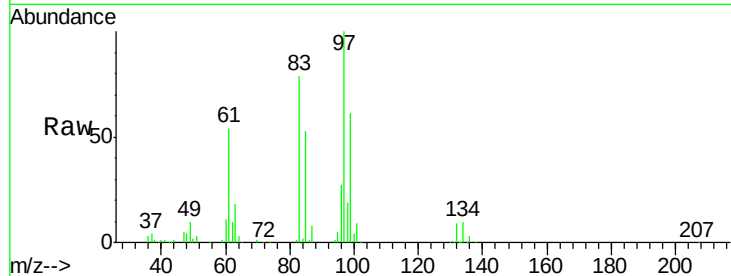
ClientSampleId :

ICVW052019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		66894		
83	78.5		66.1	99.1	
85	52.6		44.2	66.4	
99	61.1		51.1	76.7	

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#56

Ethyl methacrylate

Concen: 47.891 ug/l

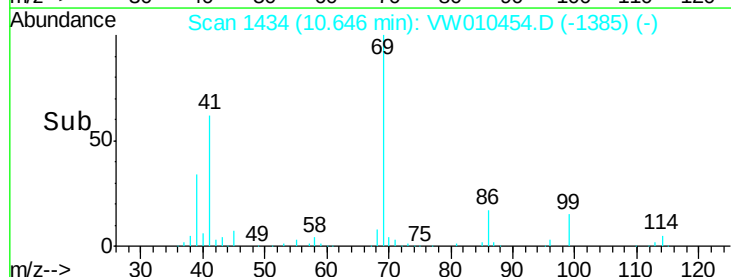
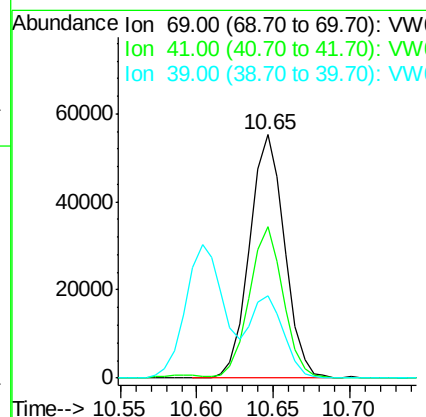
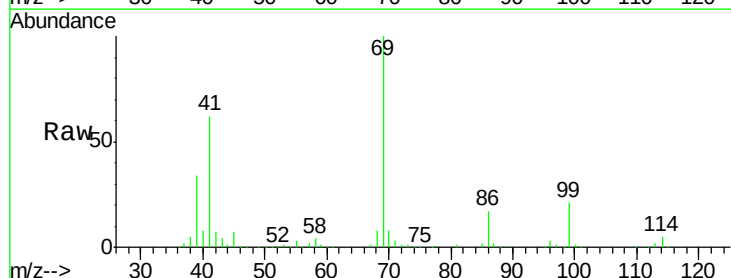
RT: 10.65 min Scan# 1434

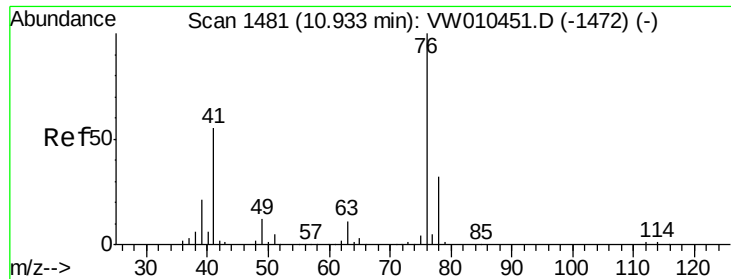
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		87883		
41	60.3		47.7	71.5	
39	32.1		25.3	37.9	





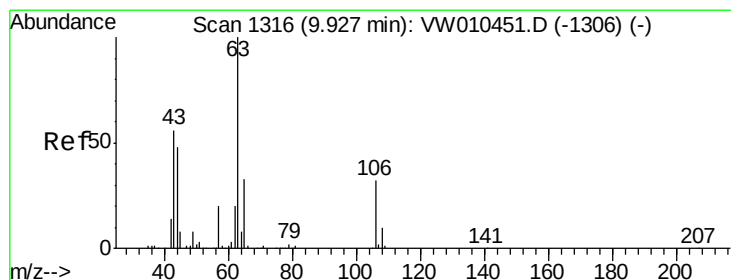
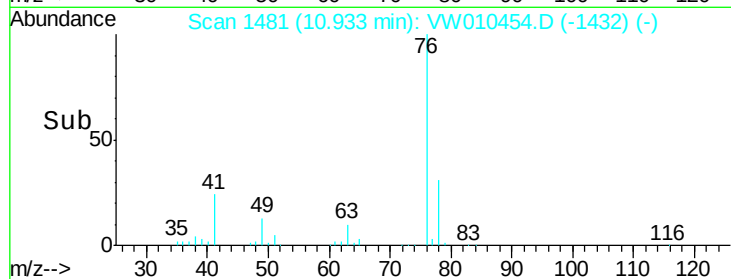
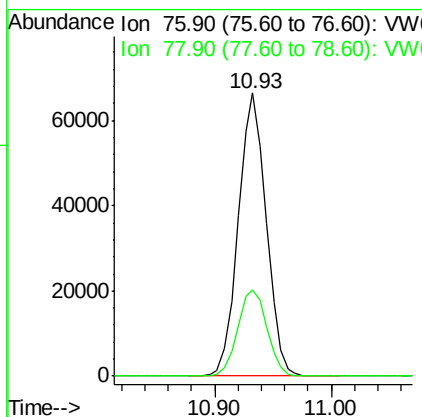
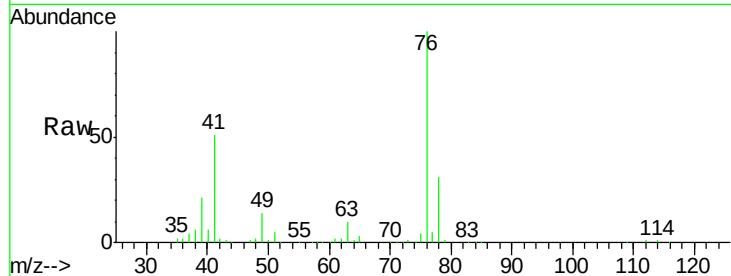
#57
 1,3-Dichloropropane
 Concen: 49.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.2

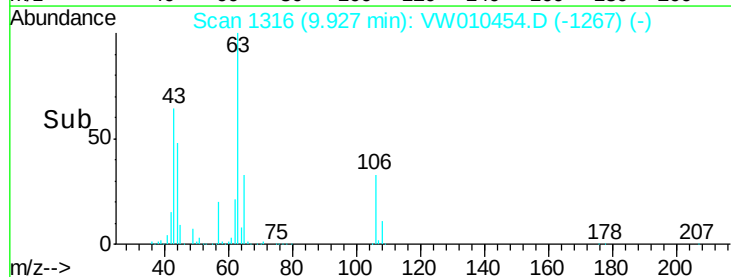
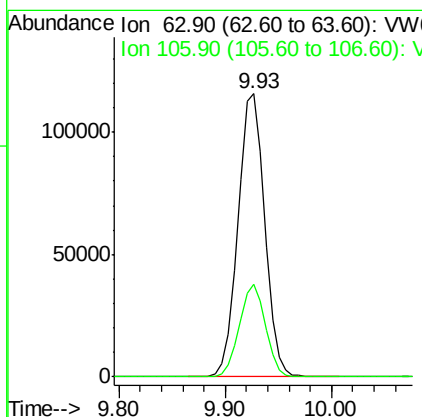
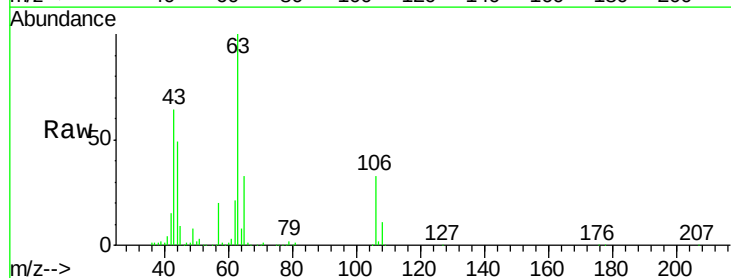
Manual Integrations
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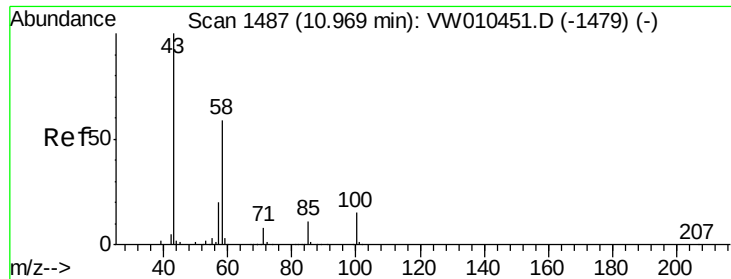
MMDadoda
 5/21/2019 11:28:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.905 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.8	38.6





#59

2-Hexanone

Concen: 238.901 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 43 Resp: 175837

Ion Ratio Lower Upper

43 100

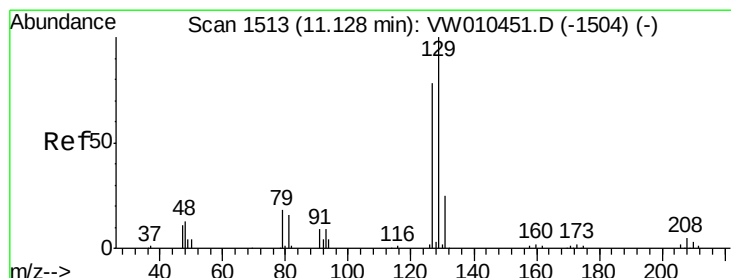
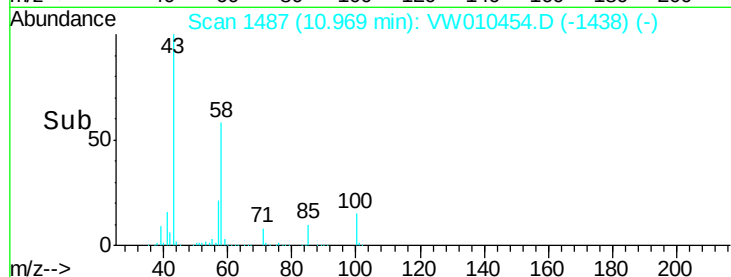
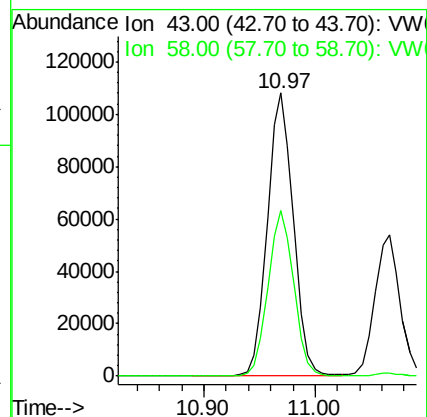
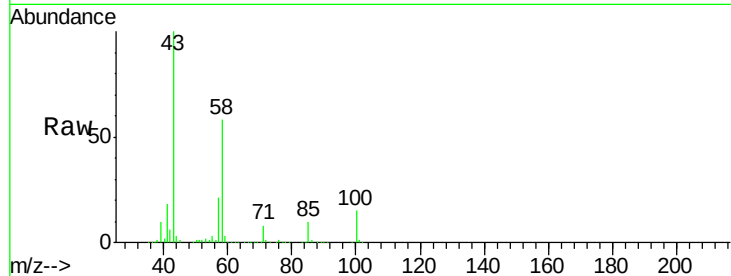
58 57.9 28.9 86.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 49.639 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010454.D

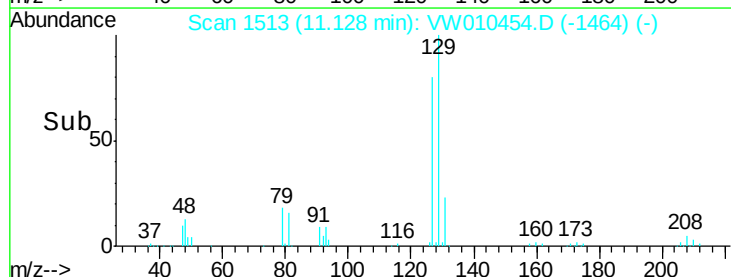
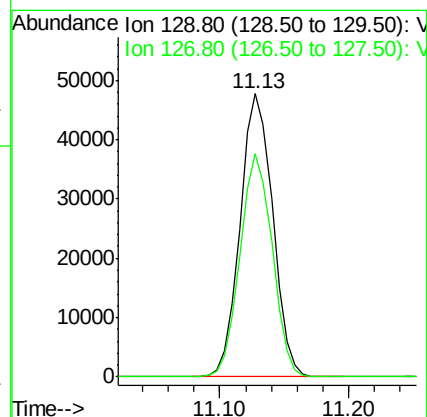
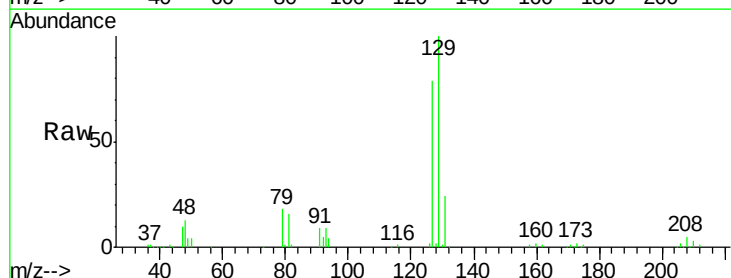
Acq: 20 May 2019 17:48

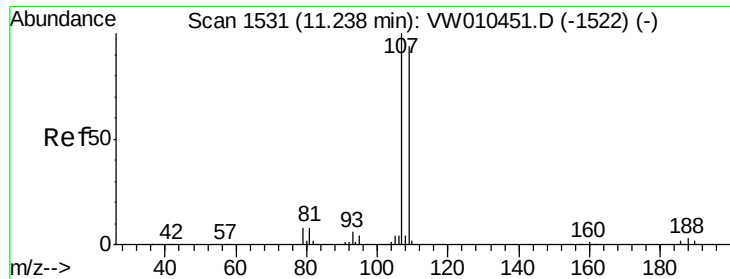
Tgt Ion: 129 Resp: 83590

Ion Ratio Lower Upper

129 100

127 78.0 38.9 116.7





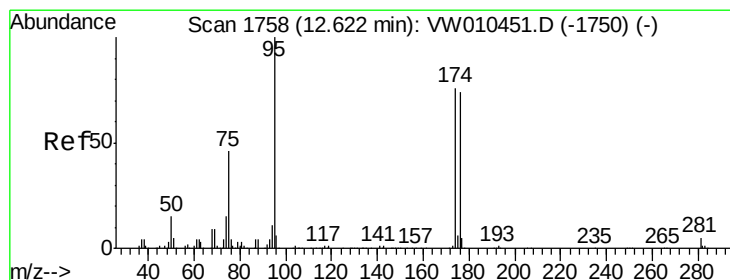
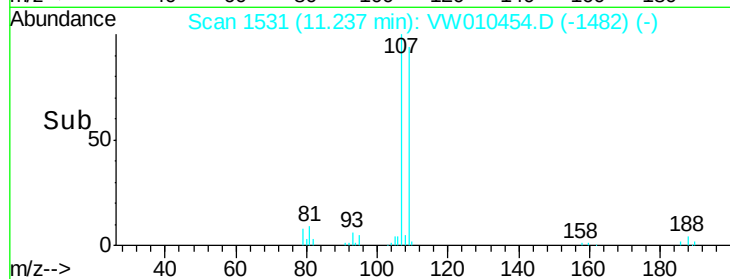
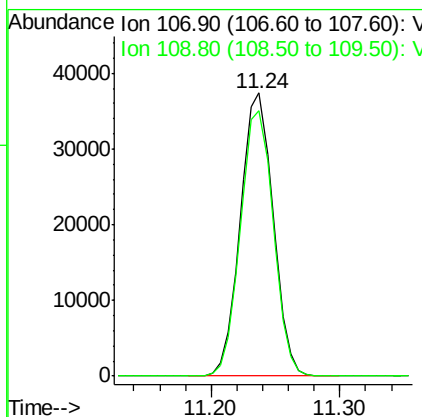
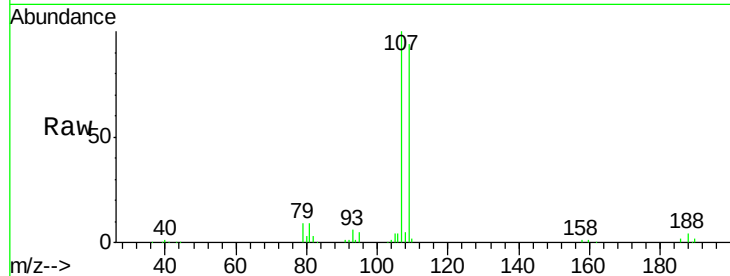
#61
 1,2-Dibromoethane
 Concen: 48.872 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion: 107 Resp: 65872
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.4

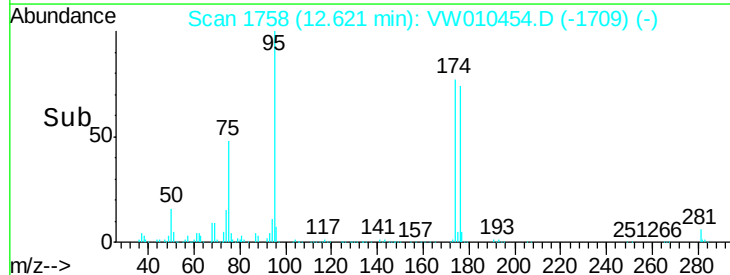
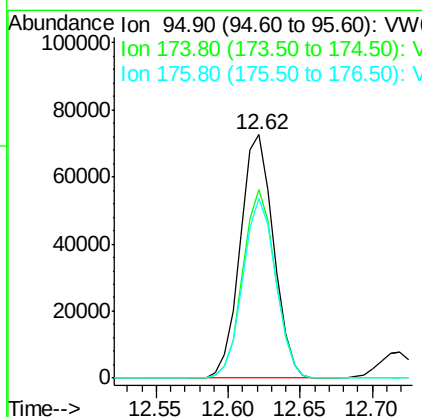
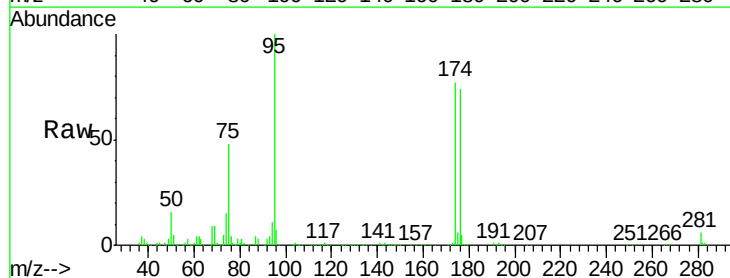
Manual Integrations
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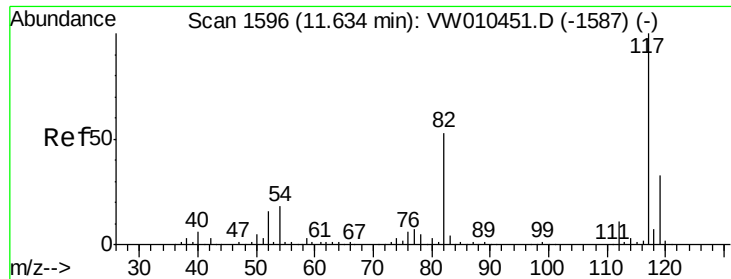
MMDadoda
 5/21/2019 11:28:57 AM



#62
 4-Bromofluorobenzene
 Concen: 48.918 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 95 Resp: 116210
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 148.6
 176 72.7 0.0 144.2





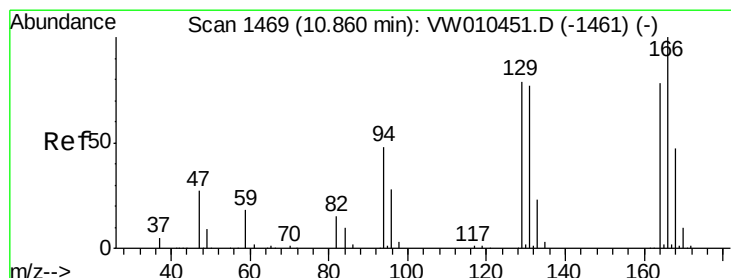
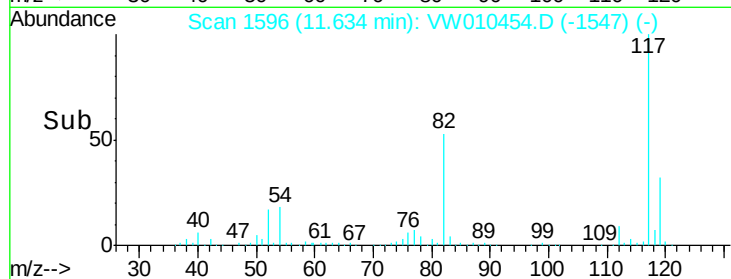
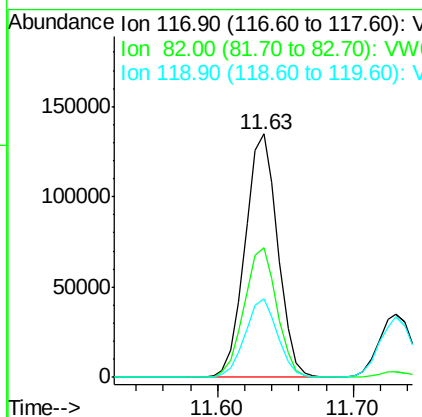
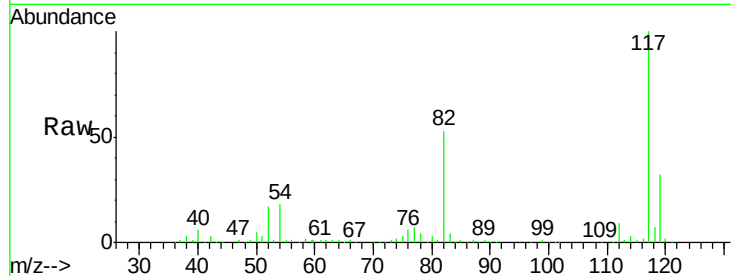
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.0	26.3	39.5

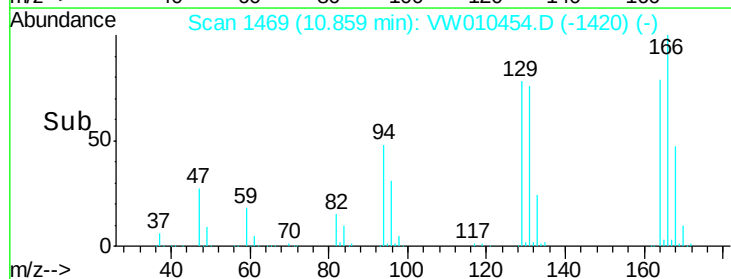
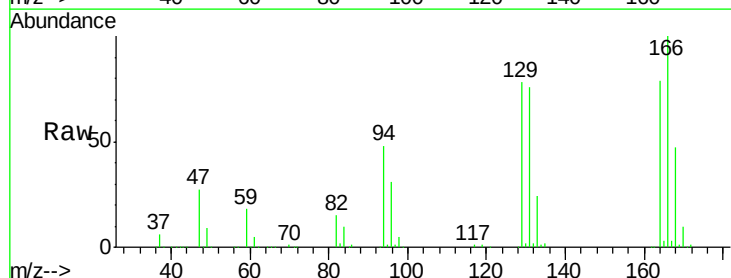
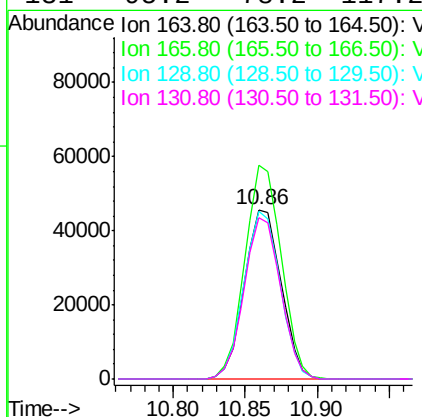
Manual Integrations
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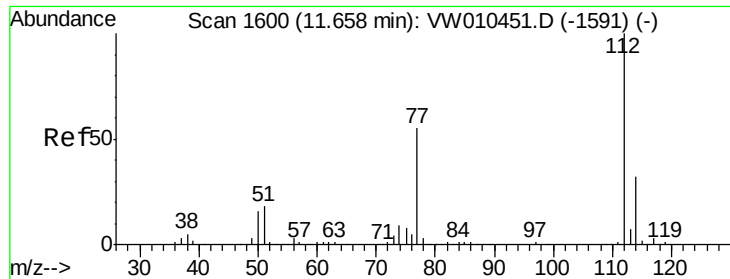
MMDadoda
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#64
Tetrachloroethene
Concen: 51.201 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.9	152.9
129	98.9	80.6	121.0
131	95.2	78.2	117.2





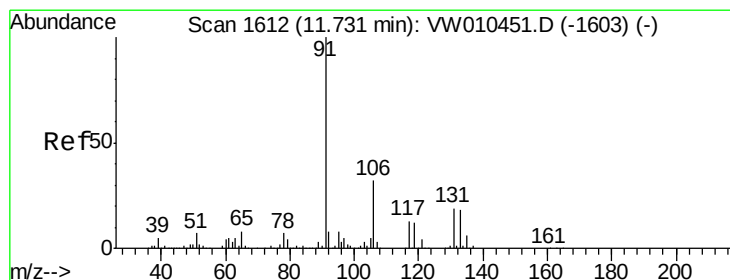
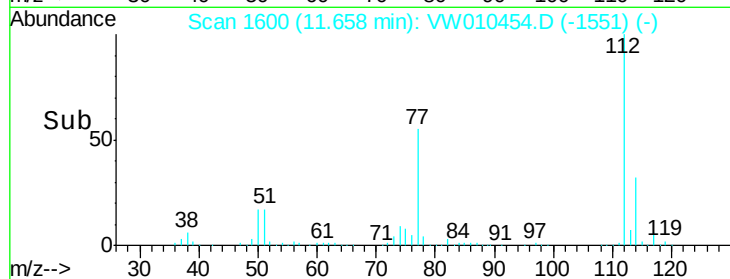
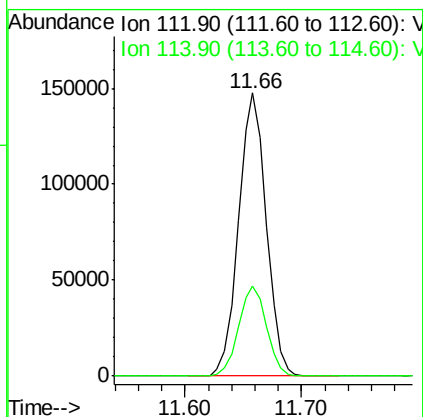
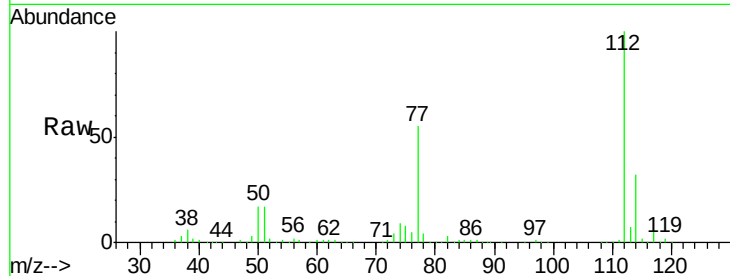
#65
Chlorobenzene
Concen: 50.658 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion:112 Resp: 243999
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

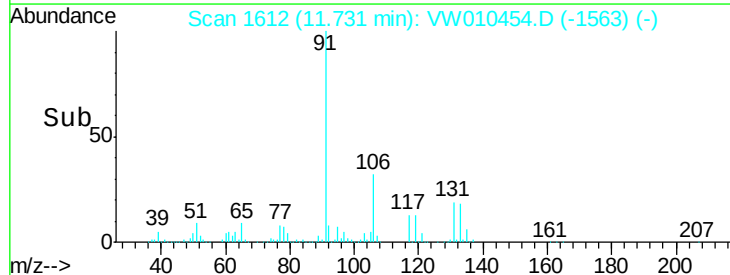
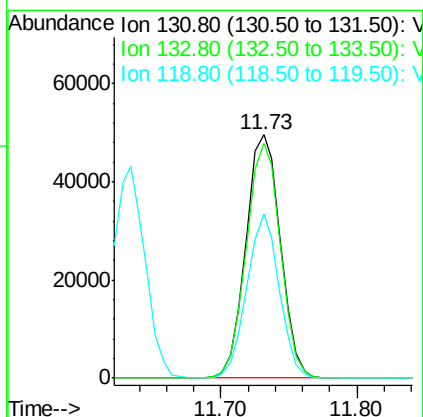
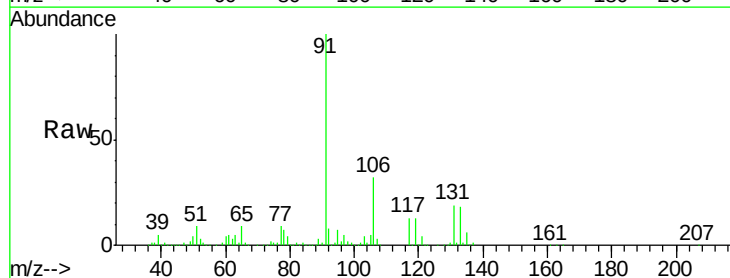
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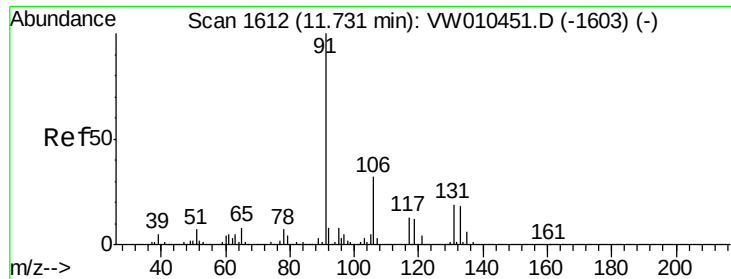
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.036 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:131 Resp: 88059
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 63.6 32.1 96.5





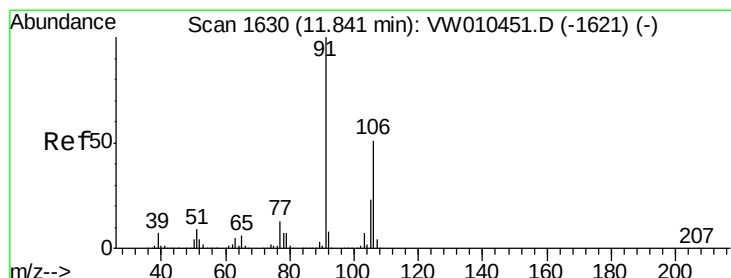
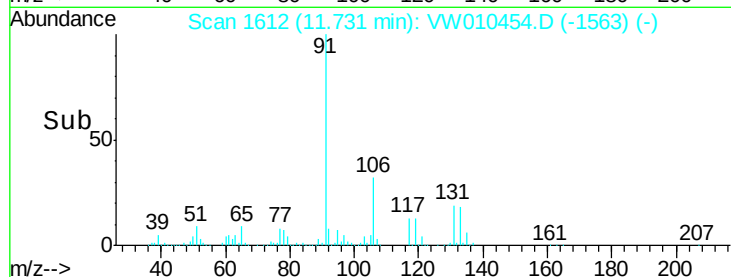
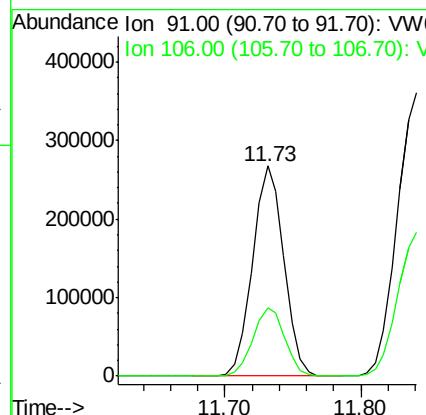
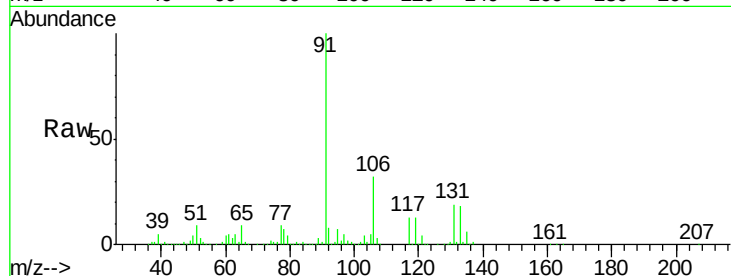
#67
Ethyl Benzene
Concen: 50.623 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion: 91 Resp: 430498
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

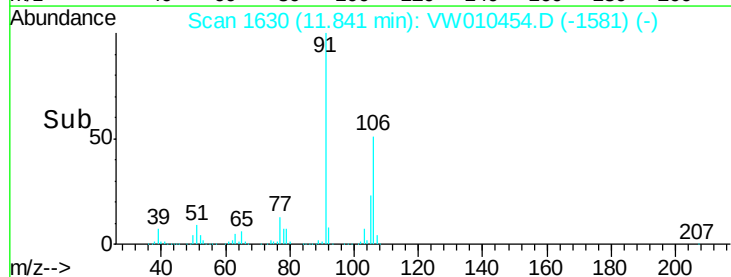
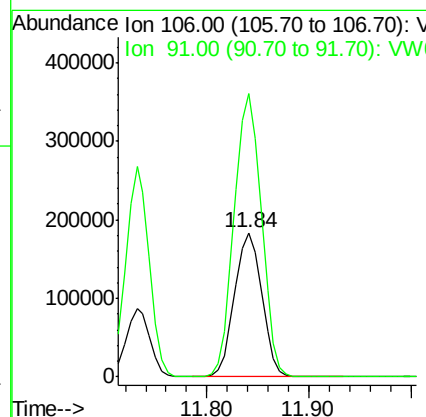
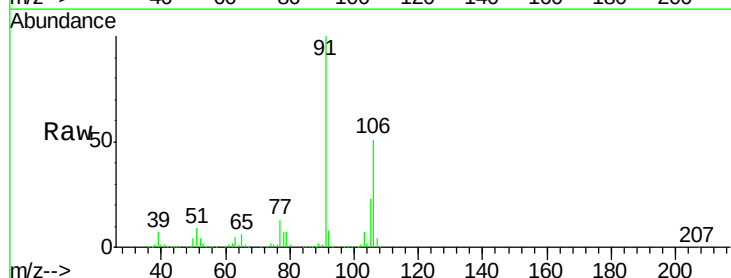
Manual Integrations
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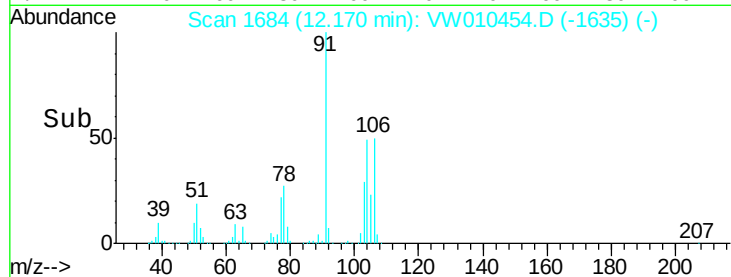
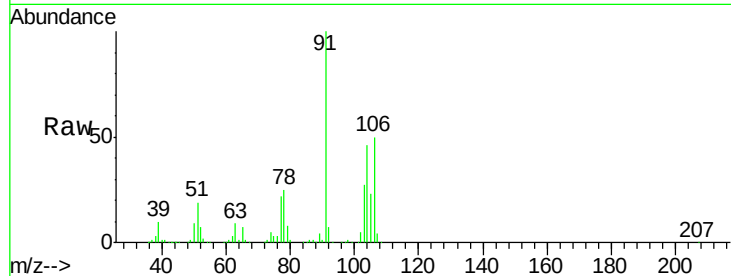
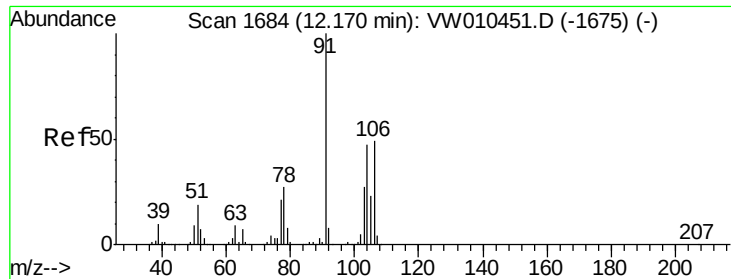
MMDadoda
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#68
m/p-Xylenes
Concen: 102.029 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 106 Resp: 340321
Ion Ratio Lower Upper
106 100
91 196.1 156.0 234.0





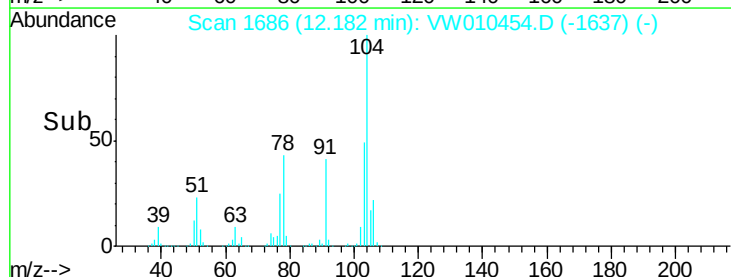
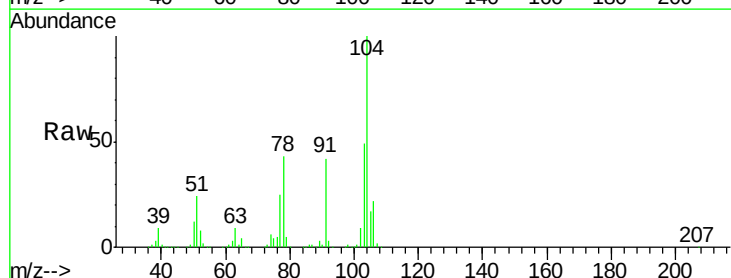
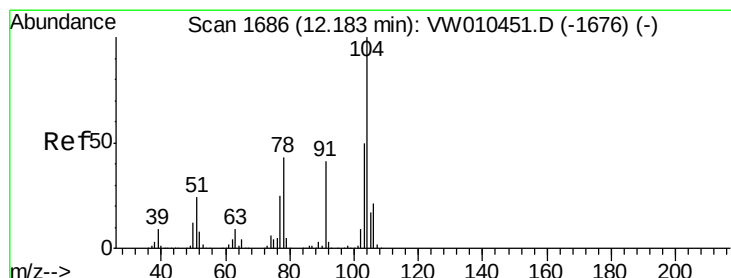
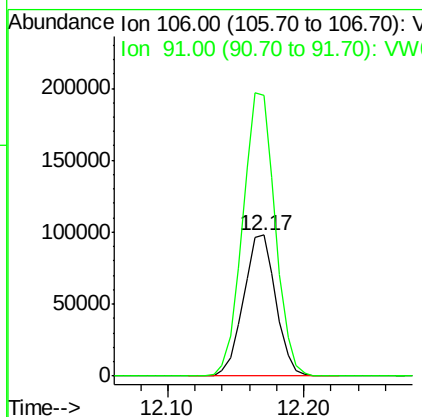
#69
o-Xylene
Concen: 51.461 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tot Ion	Ratio	Resp	Lower	Upper
106	100	162628		
91	201.8	103.2	309.4	

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

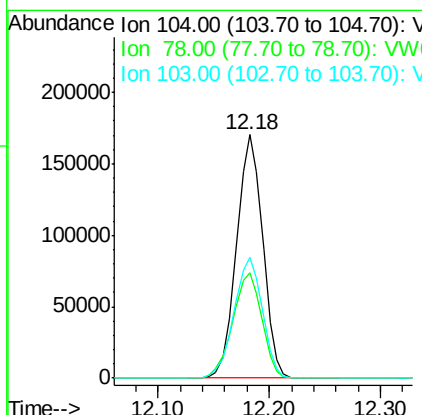
Manual Integrations
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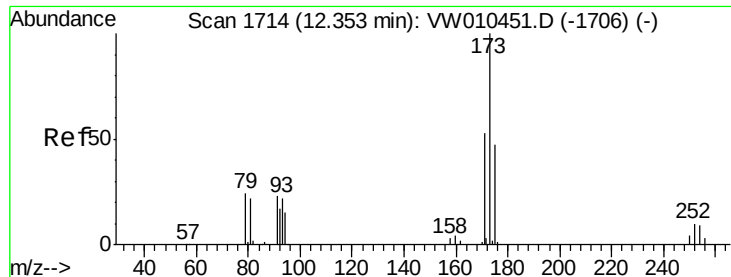
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#70
Styrene
Concen: 51.526 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	276286		
78	48.0	39.0	58.4	
103	53.6	43.0	64.6	





#71

Bromoform

Concen: 51.094 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion:173 Resp: 48548

Ion Ratio Lower Upper

173 100

175 47.6 24.4 73.4

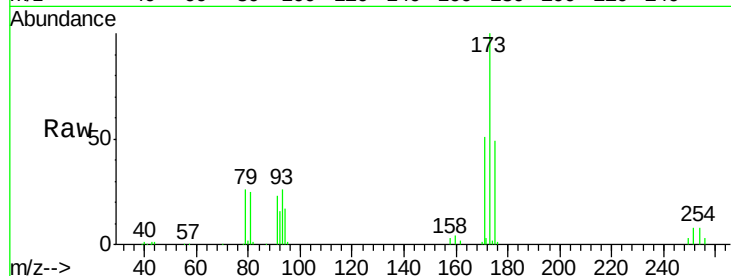
254 0.0 0.0 0.0

Manual Integrations

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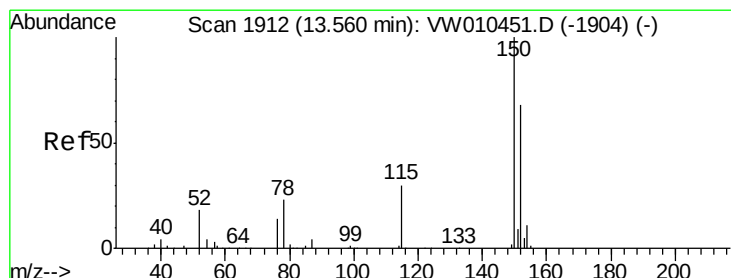
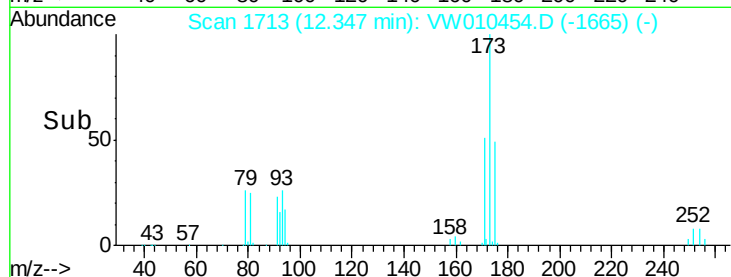
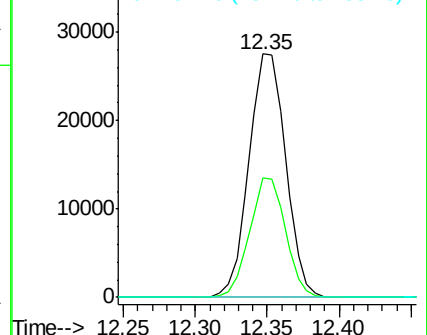
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW010454.D

Acq: 20 May 2019 17:48

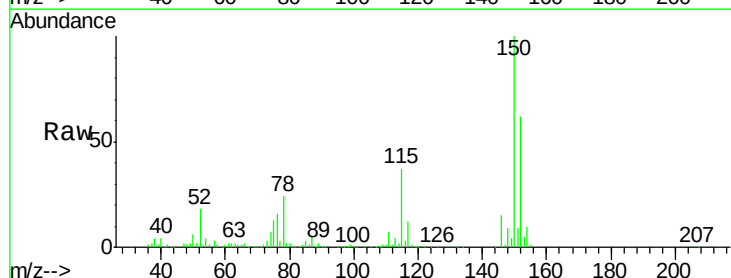
Tgt Ion:152 Resp: 111496

Ion Ratio Lower Upper

152 100

115 59.5 30.3 91.0

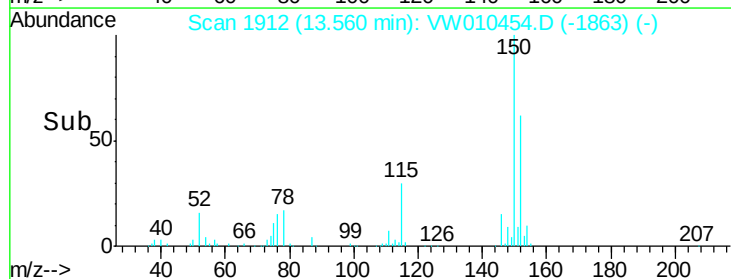
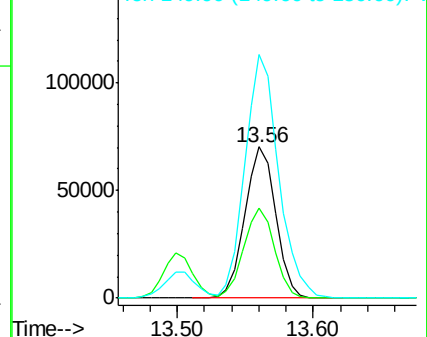
150 175.2 0.0 349.8

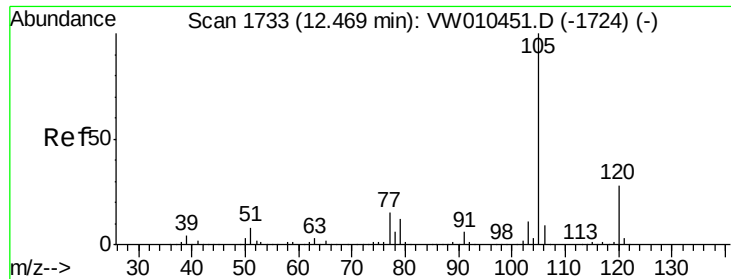


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.787 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion:105 Resp: 440495

Ion Ratio Lower Upper

105 100

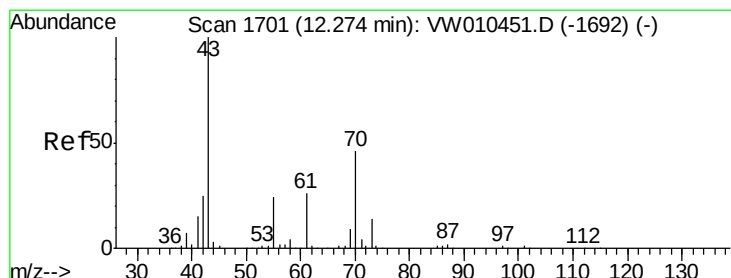
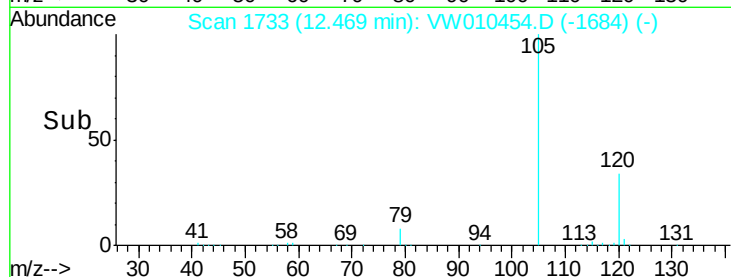
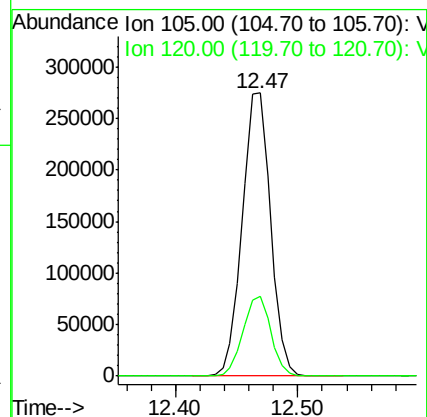
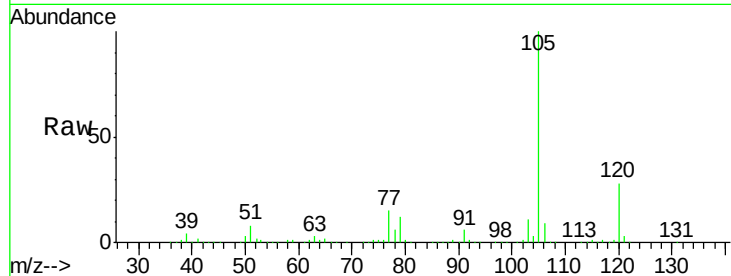
120 27.7 13.9 41.7

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#74

N-ethyl acetate

Concen: 47.923 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion: 43 Resp: 97163

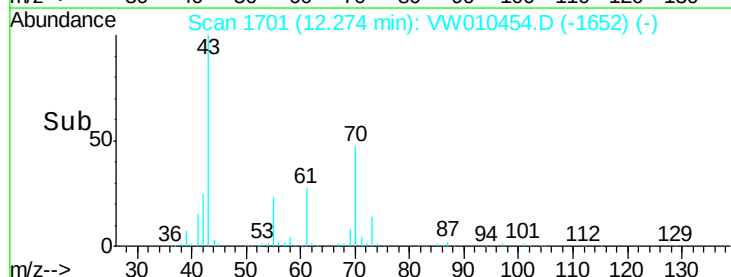
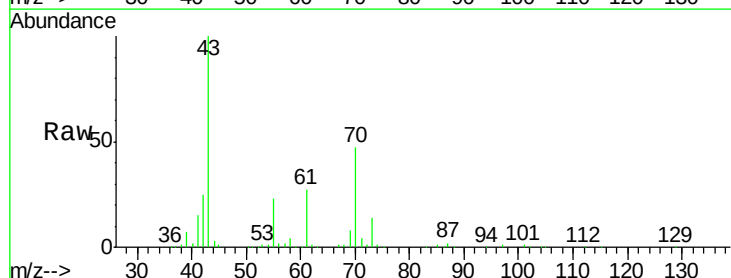
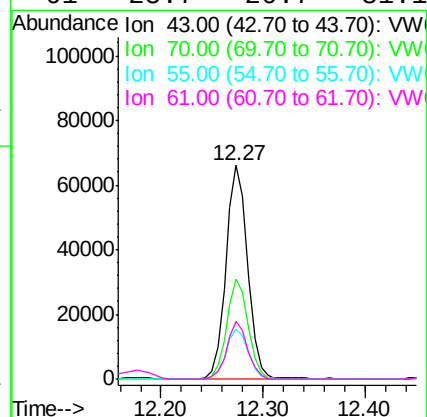
Ion Ratio Lower Upper

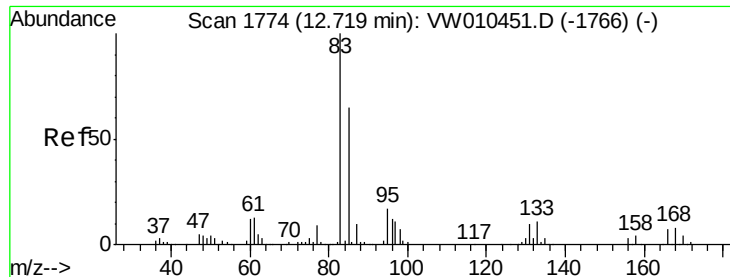
43 100

70 46.4 37.1 55.7

55 24.0 19.6 29.4

61 25.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.298 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

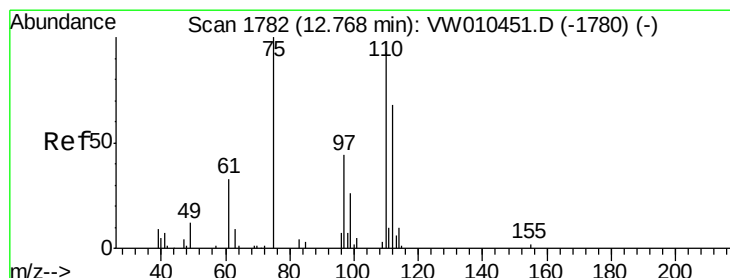
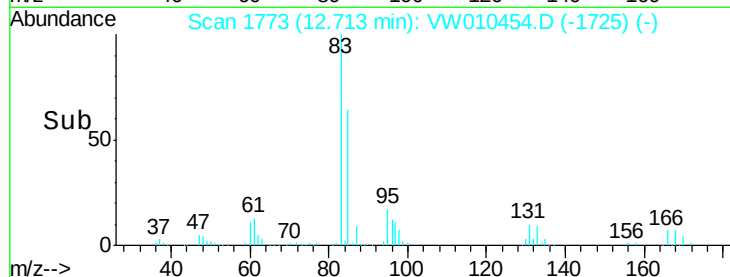
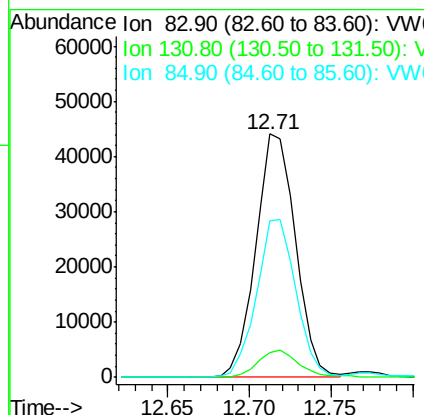
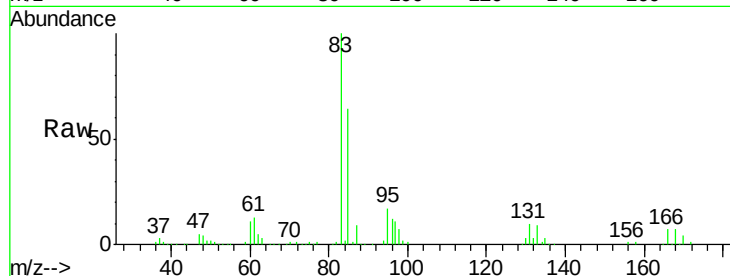
ClientSampleId :

ICVW052019

Tot Ion:	83	Resp:	74505
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.6	16.8
85	64.2	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 47.192 ug/l m

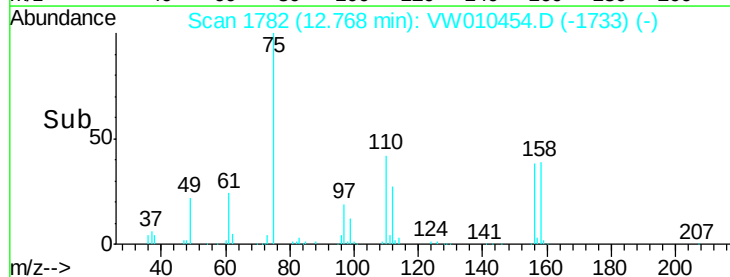
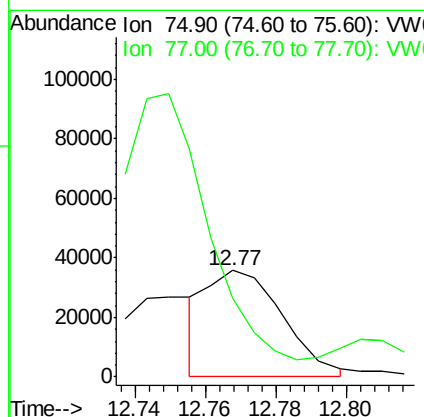
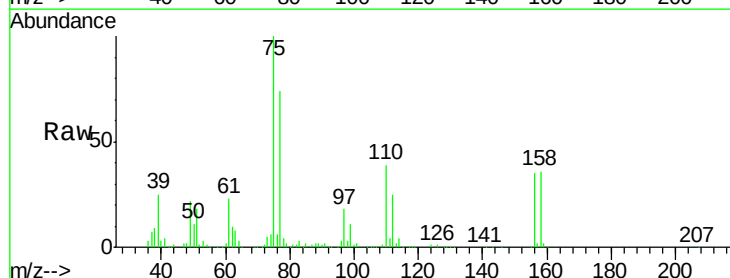
RT: 12.77 min Scan# 1782

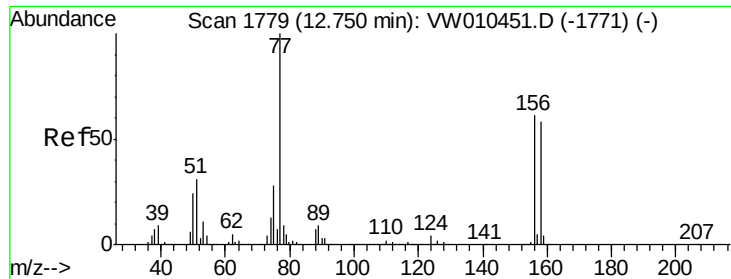
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	75	Resp:	53410
Ion	Ratio	Lower	Upper
75	100		
77	336.5	170.0	510.1





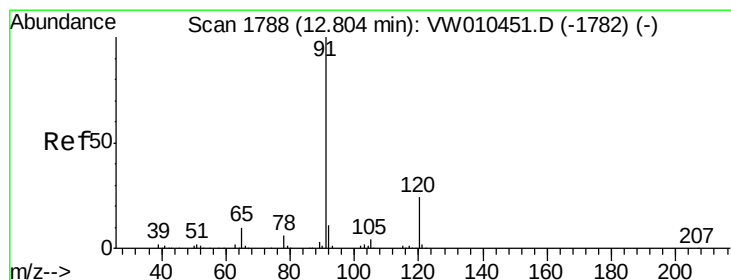
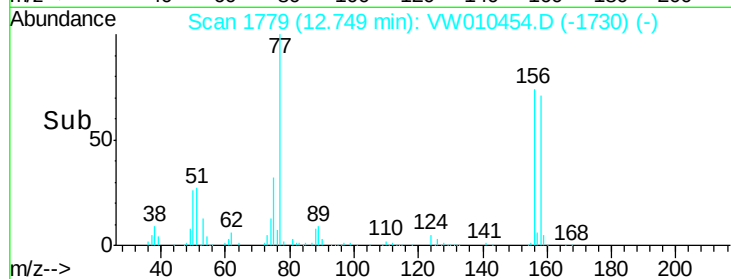
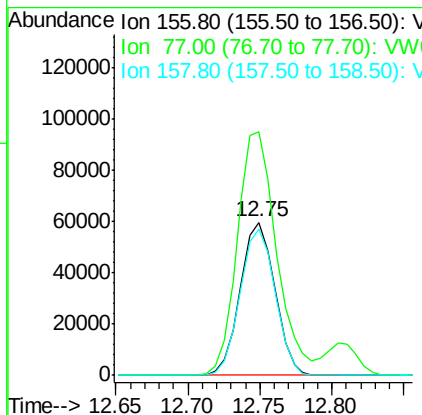
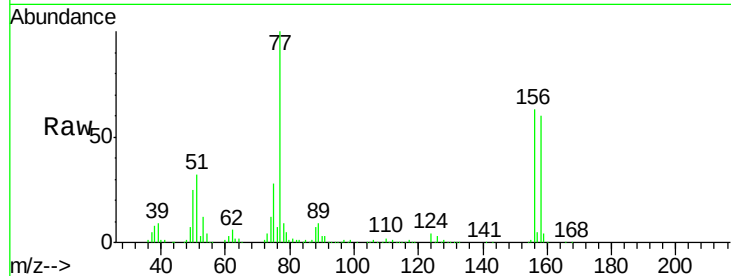
#77
Bromobenzene
Concen: 50.488 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.8	92.4	277.2
158	96.7	48.3	144.8

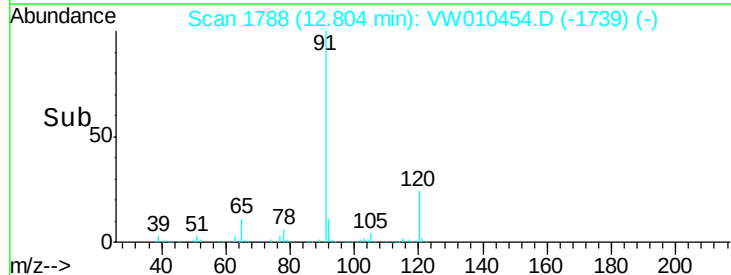
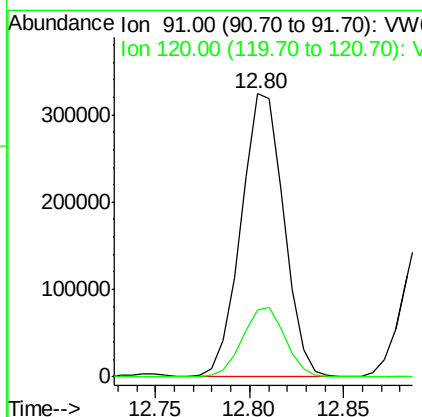
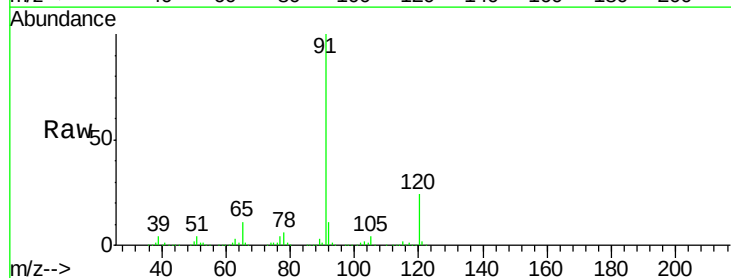
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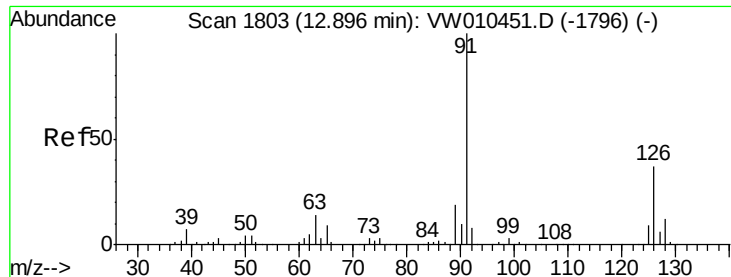
MMDadoda
5/21/2019 11:28:57 AM



#78
n-propylbenzene
Concen: 49.387 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





#79

2-Chlorotoluene

Concen: 48.695 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 91 Resp: 291165

Ion Ratio Lower Upper

91 100

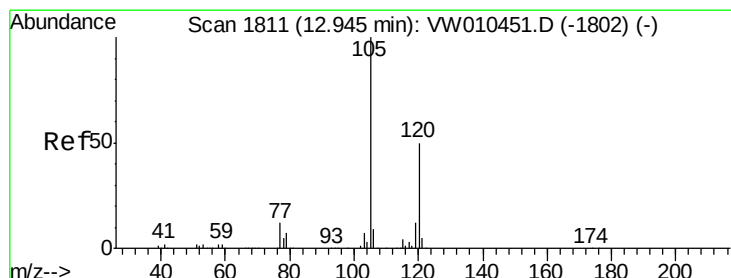
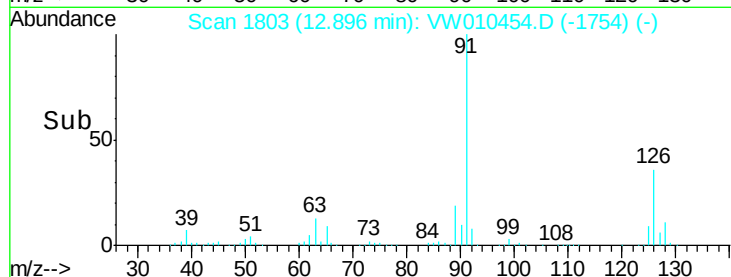
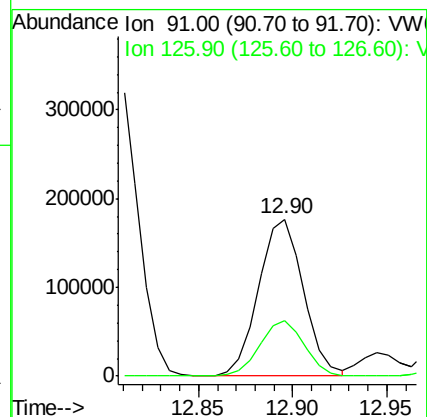
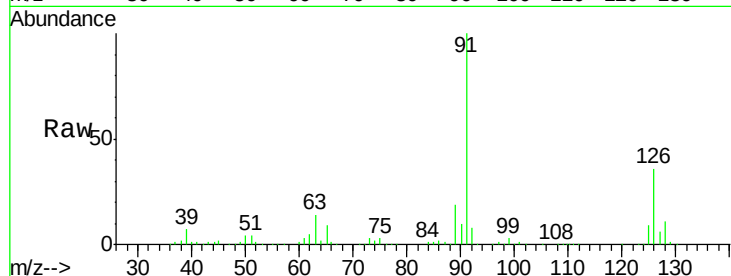
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.550 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010454.D

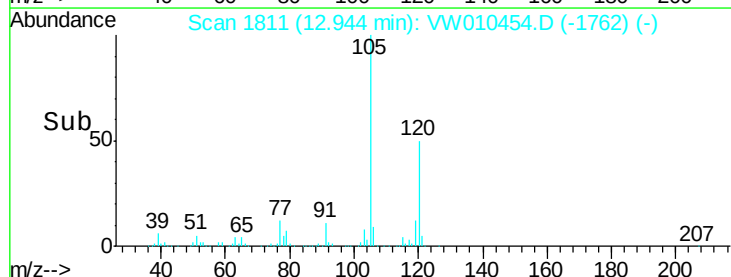
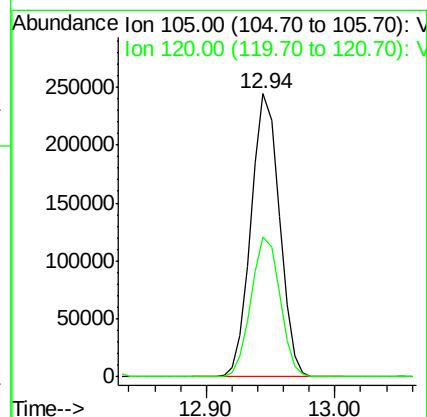
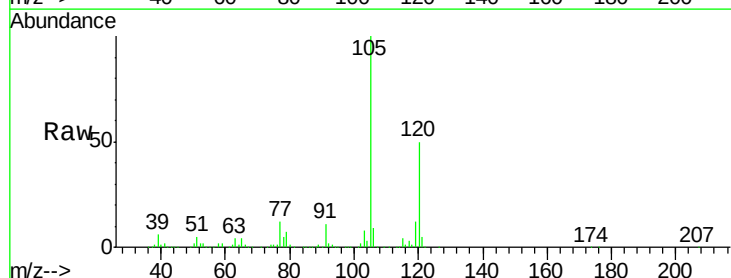
Acq: 20 May 2019 17:48

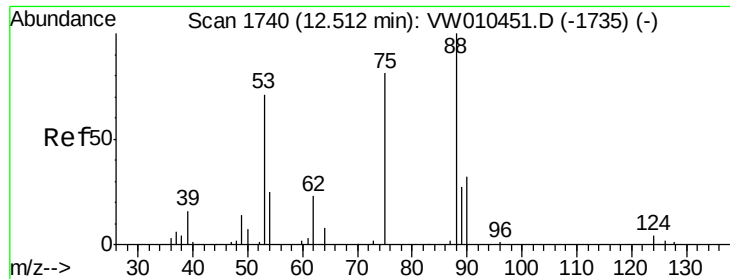
Tgt Ion: 105 Resp: 371296

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6





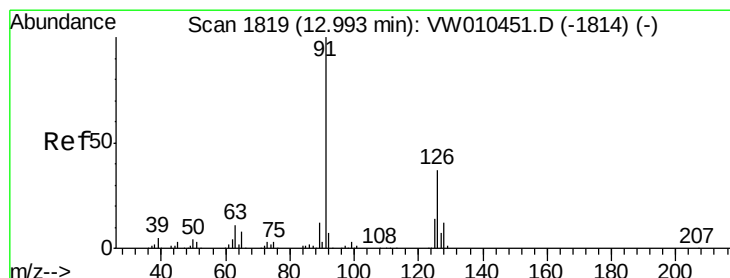
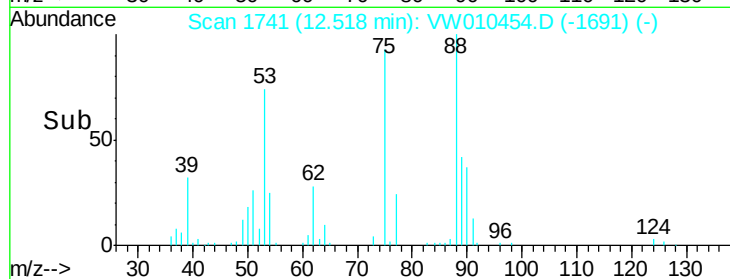
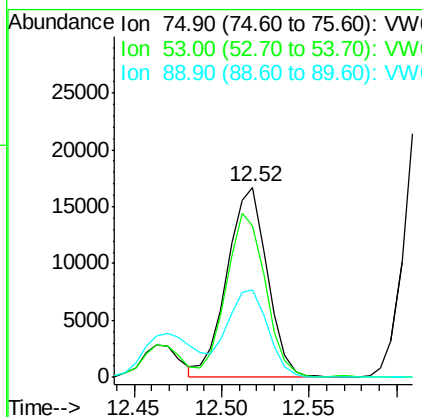
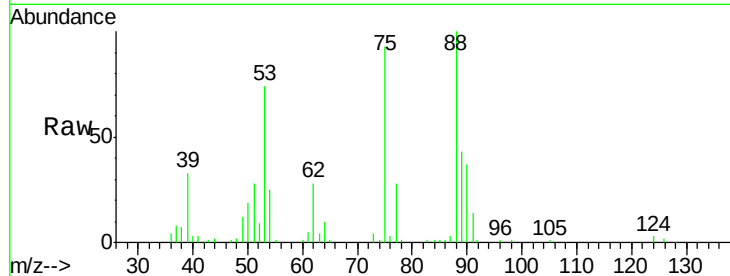
#81
trans-1,4-Dichloro-2-butene
Concen: 49.161 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.2	69.8	104.8
89	46.1	39.5	59.3

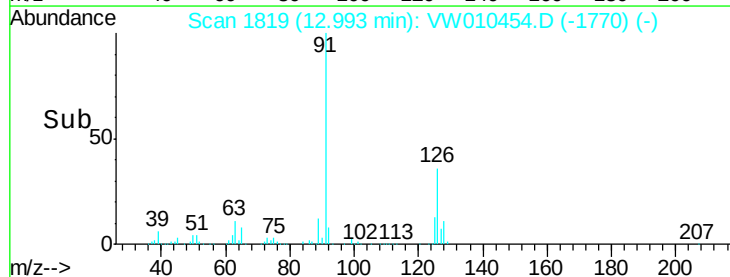
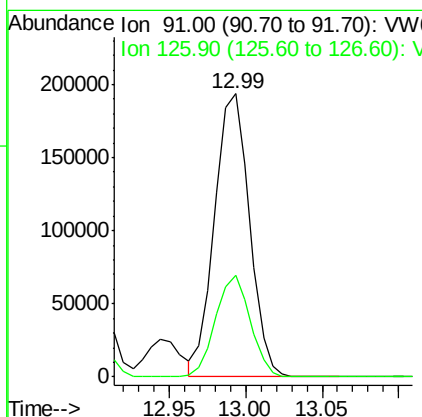
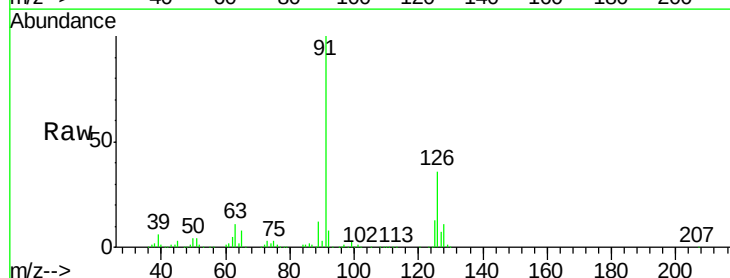
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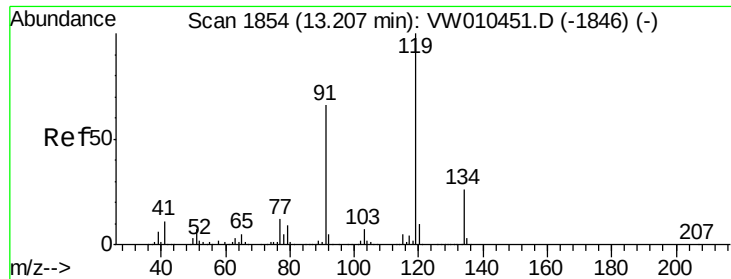
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#82
4-Chlorotoluene
Concen: 49.610 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





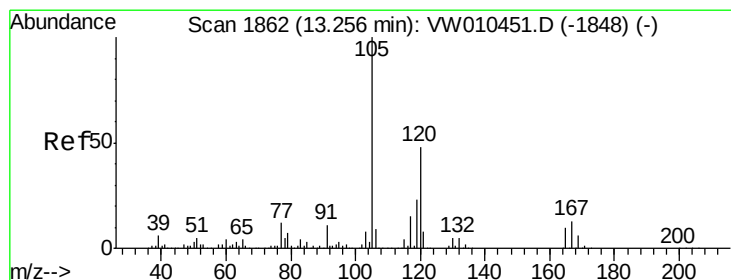
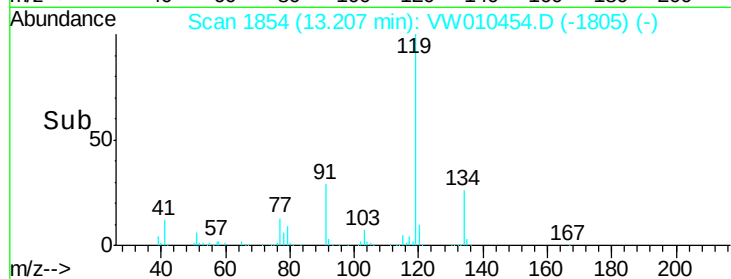
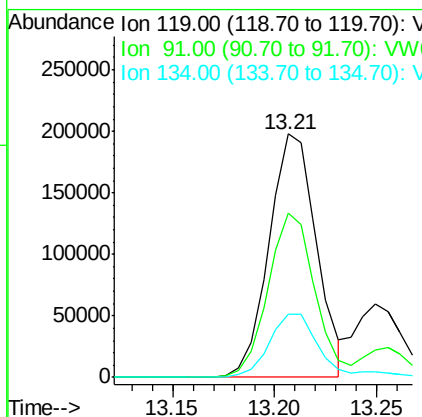
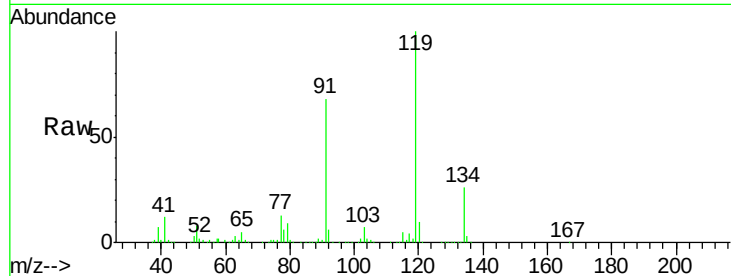
#83
 tert-Butylbenzene
 Concen: 49.065 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	321156		
91	66.4		33.1	99.5
134	28.2		13.9	41.6

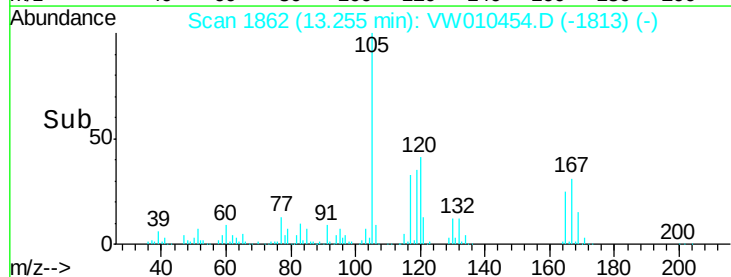
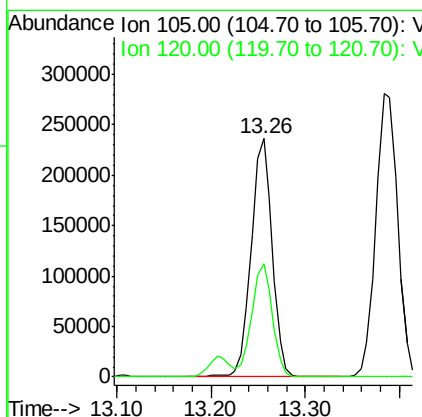
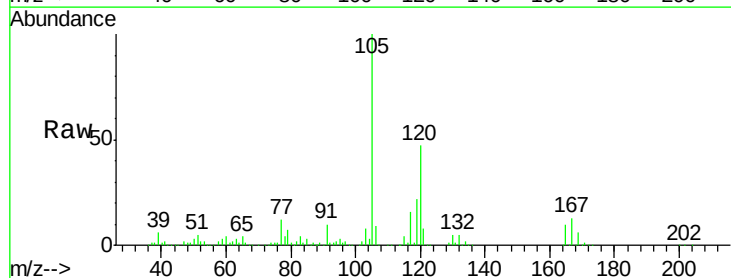
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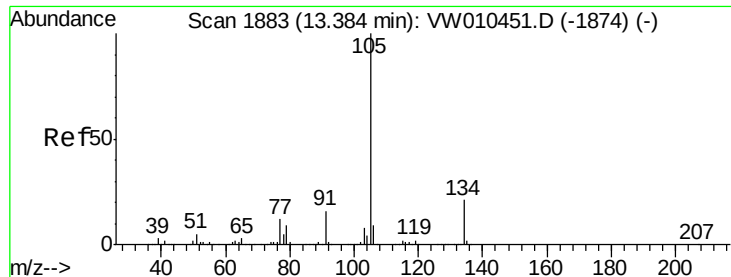
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.734 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371174		
120	47.0		23.4	70.2





#85

sec-Butylbenzene

Concen: 49.250 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion:105 Resp: 451129

Ion Ratio Lower Upper

105 100

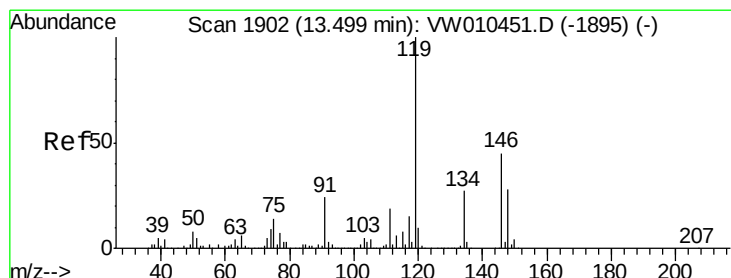
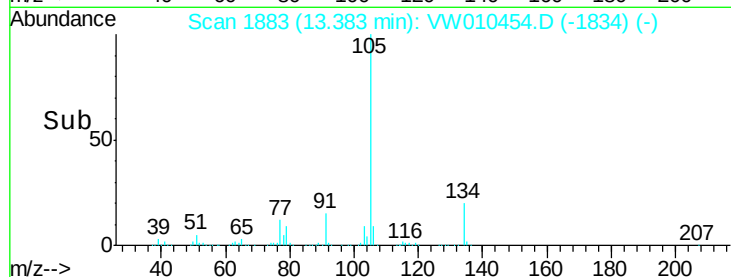
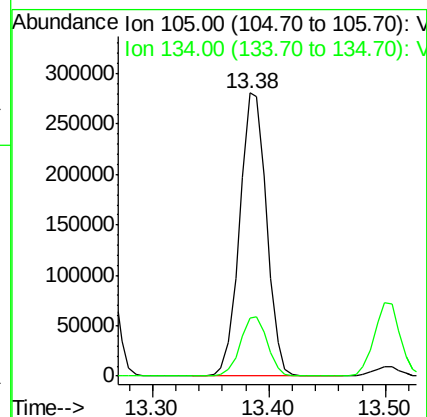
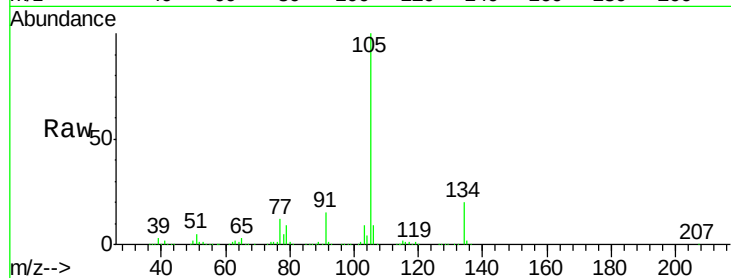
134 21.2 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 49.874 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

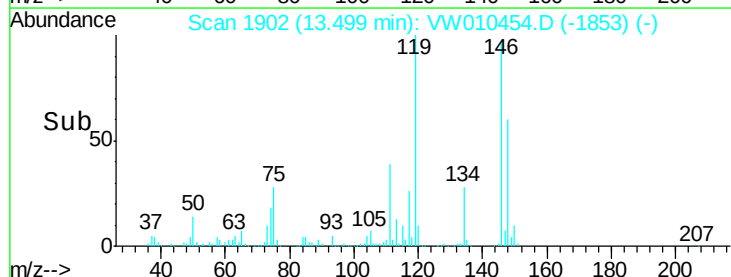
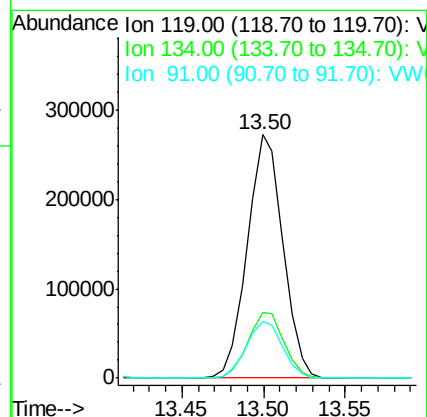
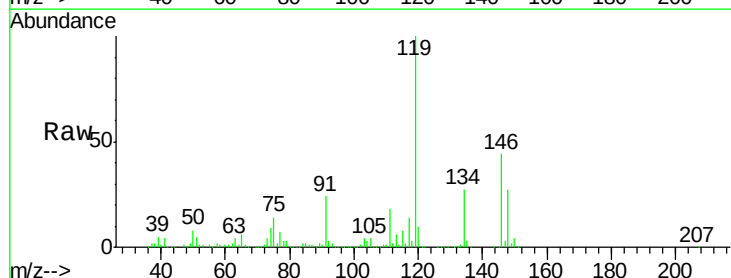
Tgt Ion:119 Resp: 413510

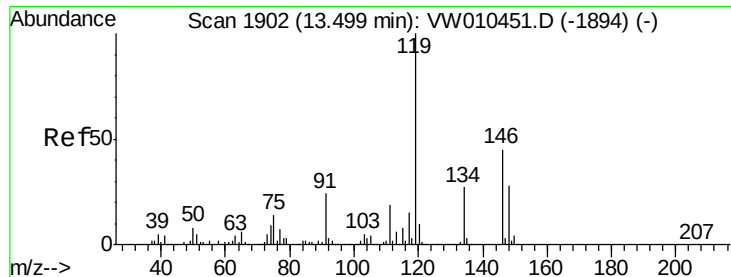
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 23.9 11.9 35.7





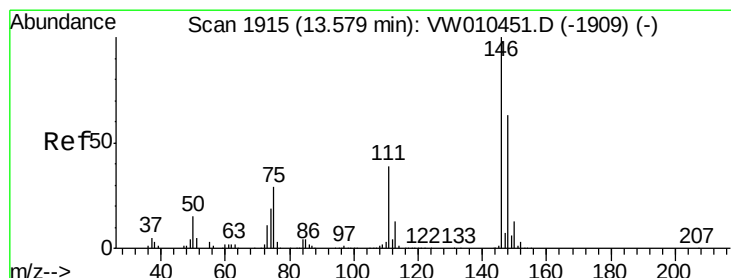
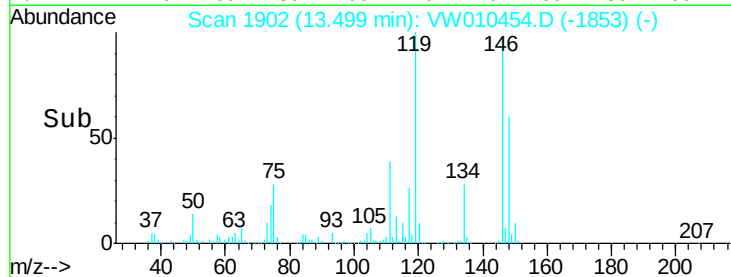
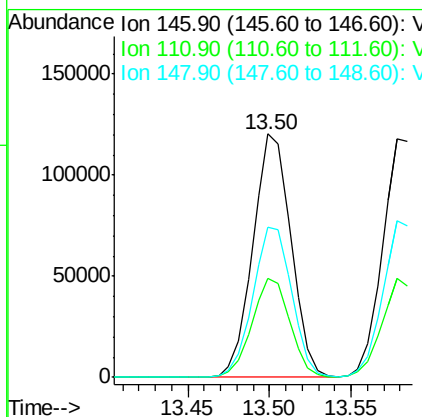
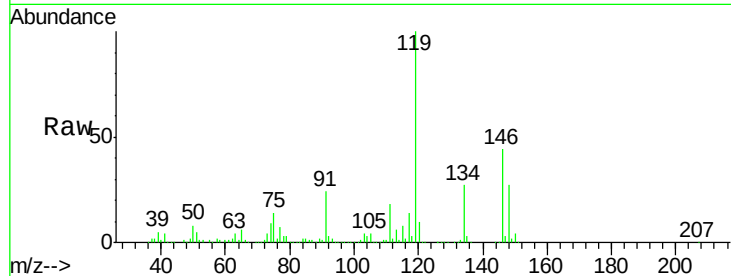
#87
 1,3-Dichlorobenzene
 Concen: 50.425 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195876		
111	40.7	20.3	60.9	
148	62.8	31.6	94.8	

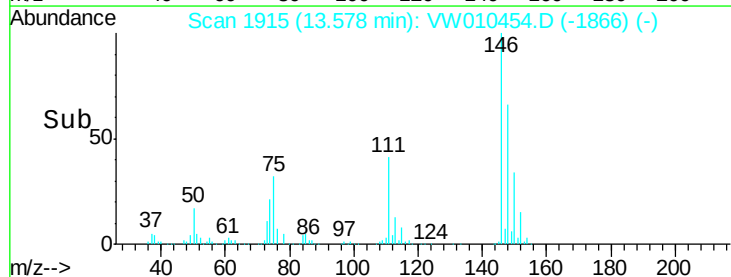
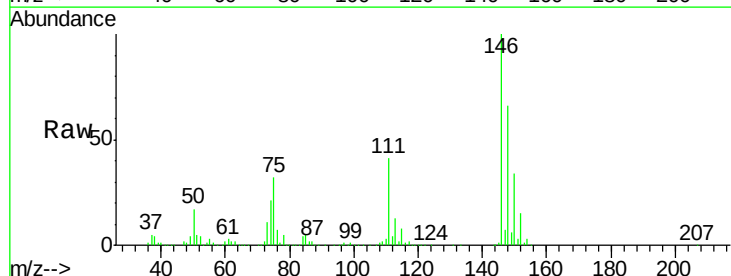
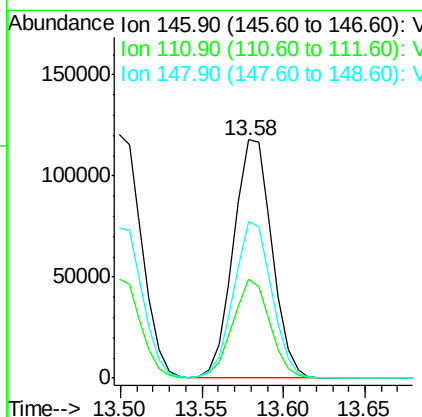
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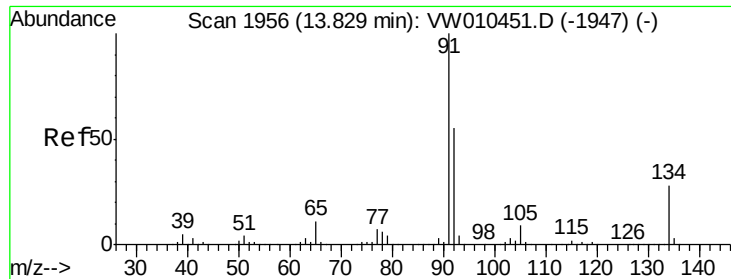
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#88
 1,4-Dichlorobenzene
 Concen: 49.774 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193987		
111	40.0	19.9	59.6	
148	64.8	31.6	94.8	





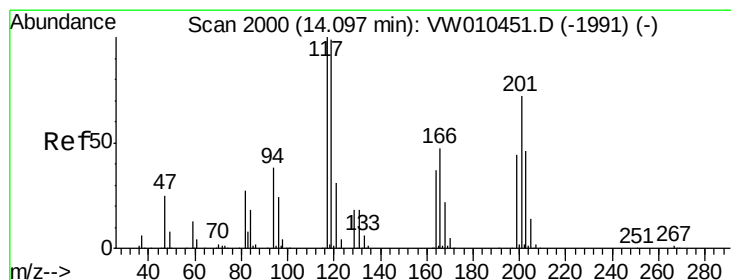
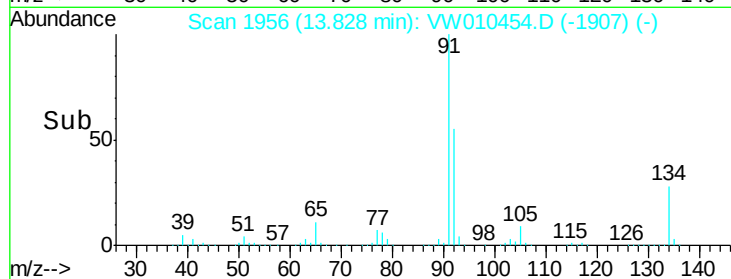
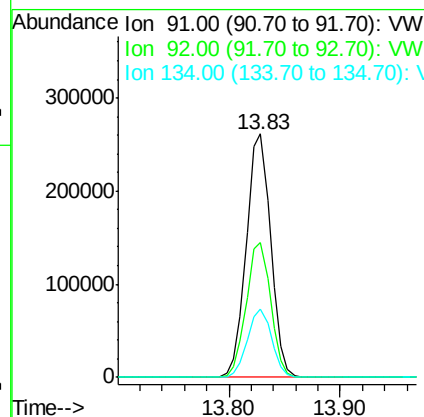
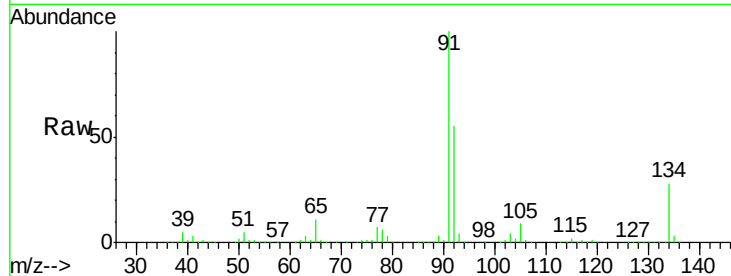
#89
n-Butylbenzene
Concen: 50.327 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	396894		
92	55.7	27.7	83.1	
134	28.0	13.9	41.6	

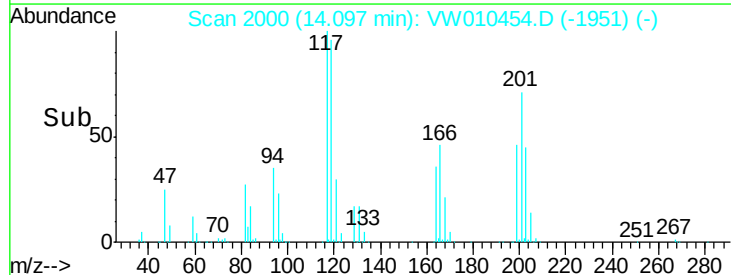
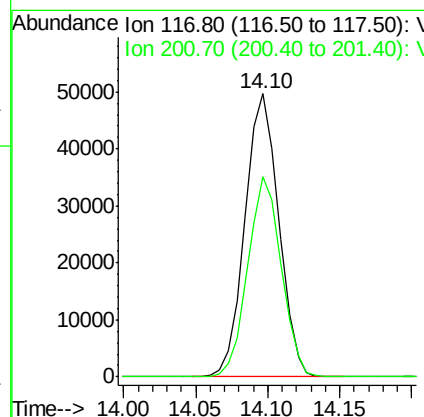
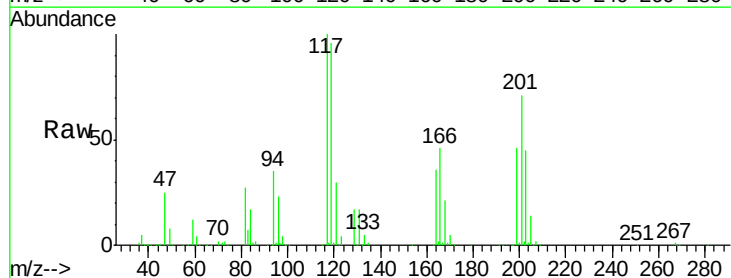
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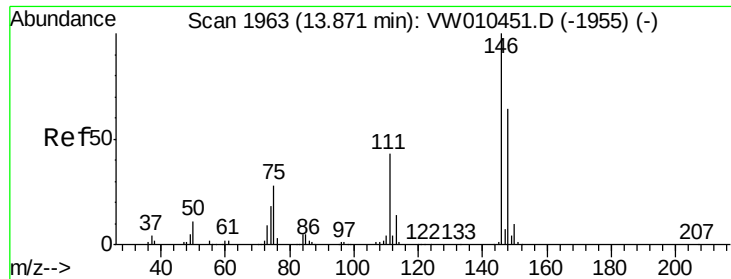
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#90
Hexachloroethane
Concen: 50.270 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80673		
201	69.7	34.6	103.8	





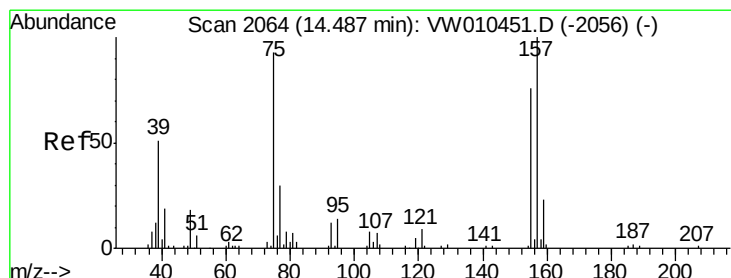
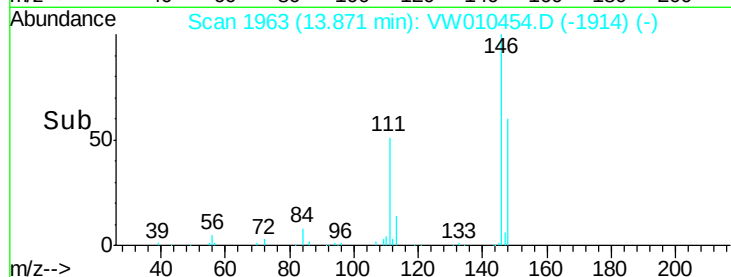
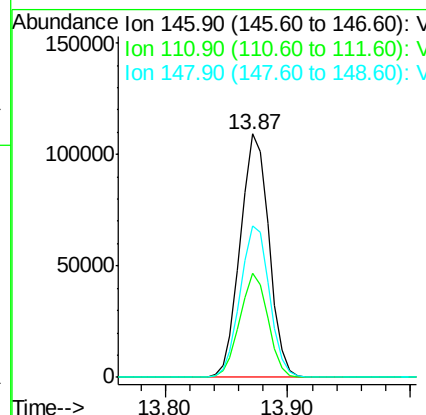
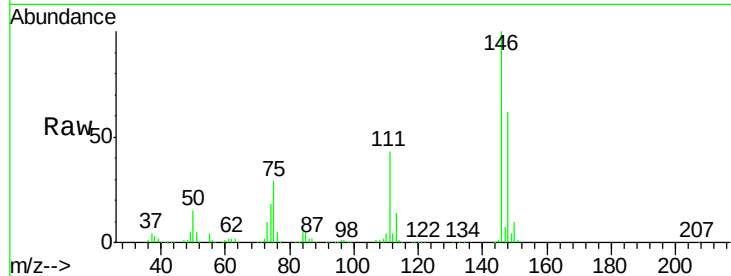
#91
 1,2-Dichlorobenzene
 Concen: 50.083 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.3	32.0	96.0

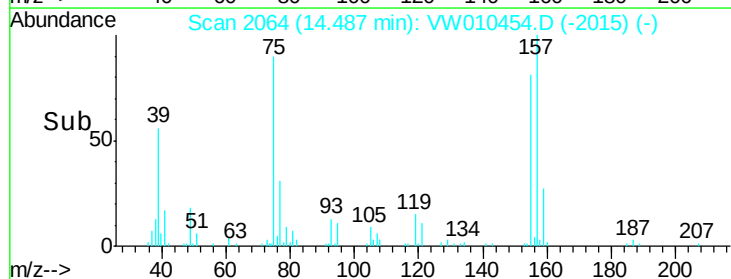
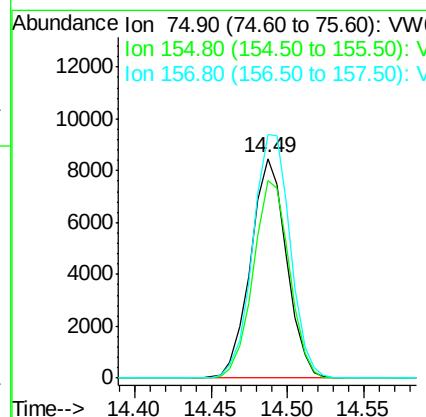
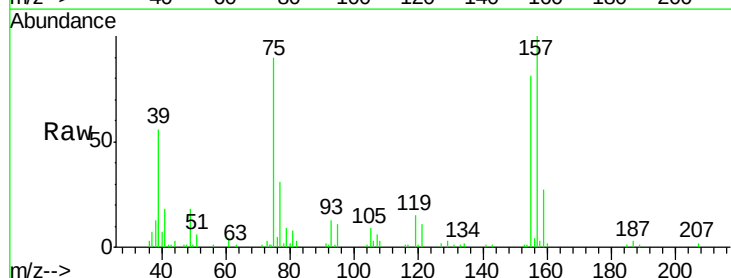
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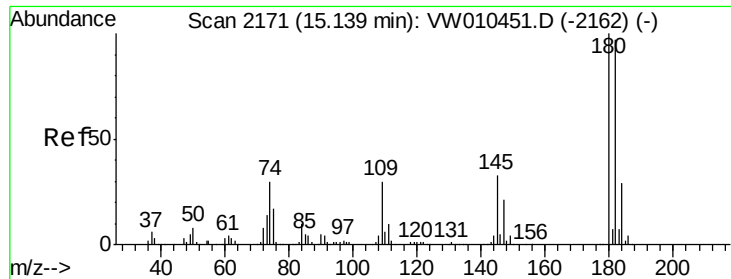
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.295 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	43.0	129.0
157	115.3	55.7	167.1





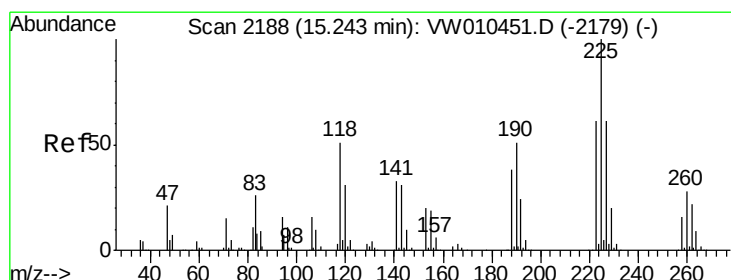
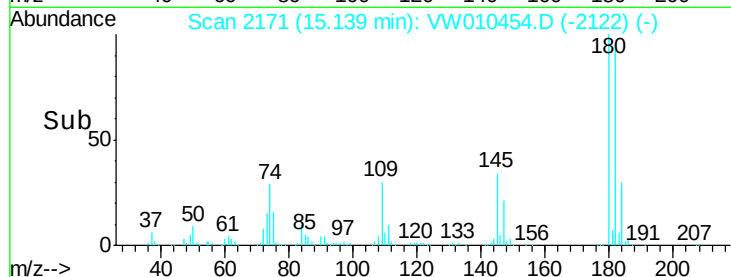
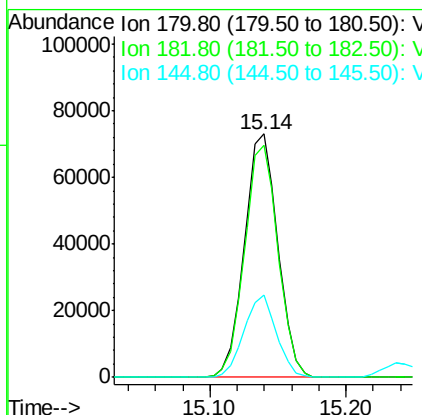
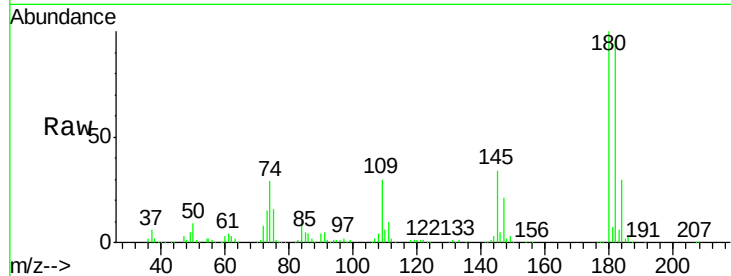
#93
 1,2,4-Trichlorobenzene
 Concen: 52.004 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125235		
182	95.7	47.0	141.2	
145	32.9	16.7	50.0	

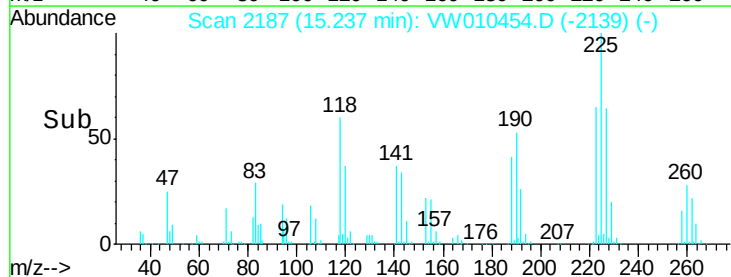
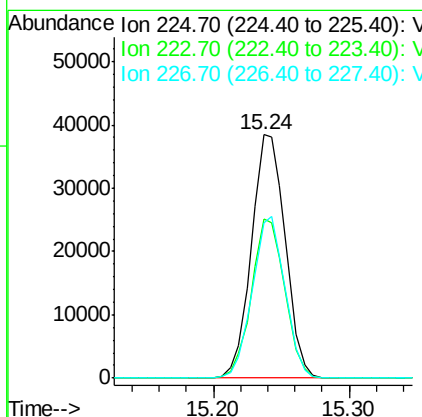
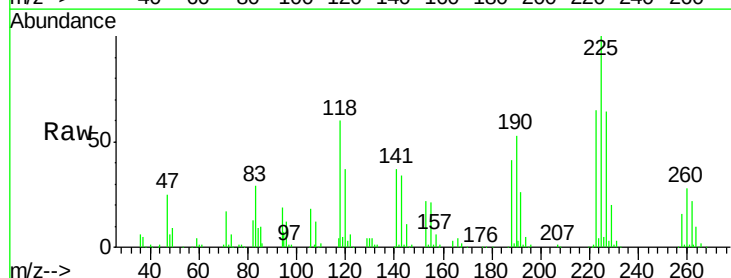
Manual Integrations
 APPROVED

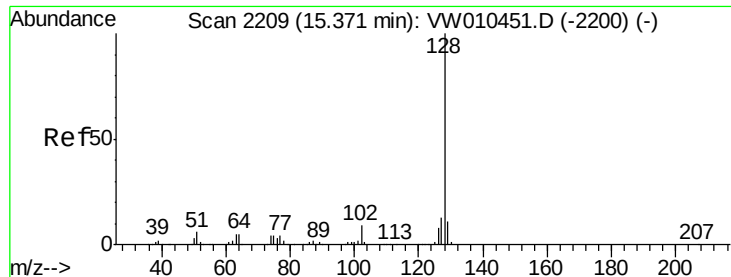
MMDadoda
 5/21/2019 11:28:57 AM



#94
 Hexachlorobutadiene
 Concen: 52.133 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67069		
223	64.2	31.1	93.2	
227	64.1	31.1	93.5	





#95

Naphthalene

Concen: 50.744 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

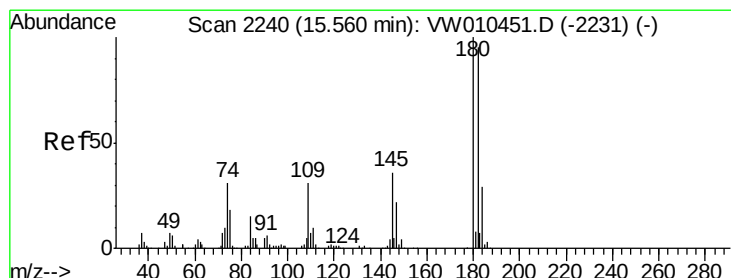
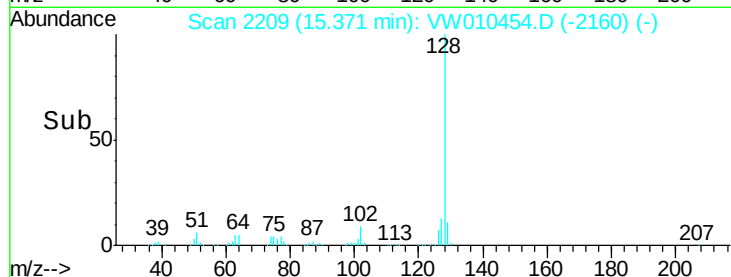
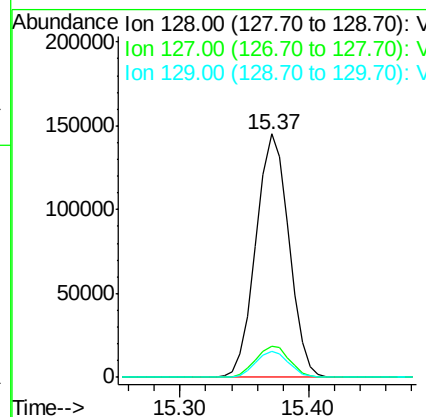
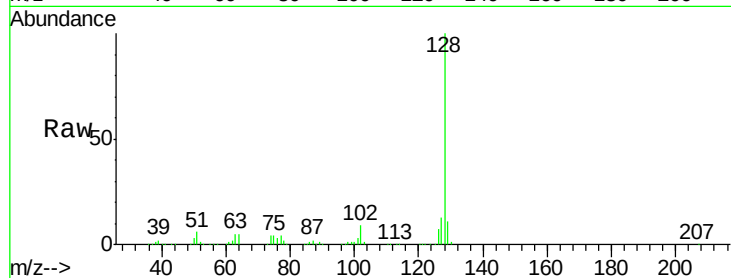
ClientSampleId :

ICVW052019

Tot Ion:	128	Resp:	256513
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:28:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.568 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion:	180	Resp:	108929
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.1	141.3
145	35.5	17.4	52.3

