

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013664.D
 Acq On : 23 Oct 2019 12:42
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 10/24/2019 1:26:47 PM

Quant Time: Oct 23 14:09:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	352578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	138385	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.88	113	147887	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.32	98	609563	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	203687	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	78658	63.563	ug/l	100
3) Chloromethane	2.21	50	86266	42.824	ug/l	100
4) Vinyl Chloride	2.37	62	143130	47.622	ug/l	100
5) Bromomethane	2.78	94	92703	51.016	ug/l	100
6) Chloroethane	2.92	64	88673	51.682	ug/l	100
7) Trichlorofluoromethane	3.26	101	90887	61.564	ug/l	100
8) Diethyl Ether	3.68	74	74054	49.639	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	149740	50.523	ug/l	100
10) Methyl Iodide	4.28	142	246802	52.240	ug/l	100
11) Tert butyl alcohol	5.20	59	35676	161.192	ug/l	100
12) 1,1-Dichloroethene	4.04	96	155608	50.567	ug/l	100
13) Acrolein	3.90	56	44945	212.349	ug/l	100
14) Allyl chloride	4.67	41	240319	50.791	ug/l	100
15) Acrylonitrile	5.37	53	146747	214.916	ug/l	100
16) Acetone	4.14	43	145308	232.125	ug/l	100
17) Carbon Disulfide	4.39	76	450929	52.020	ug/l	100
18) Methyl Acetate	4.67	43	69861	39.135	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	187063	41.580	ug/l	100
20) Methylene Chloride	4.92	84	155526	44.411	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	169165	51.576	ug/l	100
22) Diisopropyl ether	6.31	45	443262	50.127	ug/l	100
23) Vinyl Acetate	6.25	43	1286293	243.567	ug/l	100
24) 1,1-Dichloroethane	6.21	63	278527	51.191	ug/l	100
25) 2-Butanone	7.17	43	196014	213.416	ug/l	100
26) 2,2-Dichloropropane	7.17	77	153516	44.764	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	179491	51.641	ug/l	100
28) Bromochloromethane	7.51	49	107966	55.593	ug/l	100
29) Tetrahydrofuran	7.53	42	120204	214.383	ug/l	100
30) Chloroform	7.68	83	269460	51.261	ug/l	100
31) Cyclohexane	7.96	56	278017	48.480	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	214251	50.383	ug/l	100
36) 1,1-Dichloropropene	8.08	75	229645	50.983	ug/l	100
37) Ethyl Acetate	7.25	43	82440	41.383	ug/l	100
38) Carbon Tetrachloride	8.07	117	206142	51.733	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	303012	51.891	ug/l	100
40) Benzene	8.32	78	649436	51.536	ug/l	100
41) Methacrylonitrile	7.48	41	49844	43.745	ug/l	100
42) 1,2-Dichloroethane	8.40	62	163229	51.221	ug/l	100
43) Isopropyl Acetate	8.42	43	164954	45.413	ug/l	100
44) Trichloroethene	9.09	130	187057	52.019	ug/l	100
45) 1,2-Dichloropropane	9.37	63	156195	51.584	ug/l	100
46) Dibromomethane	9.46	93	74904	49.817	ug/l	100
47) Bromodichloromethane	9.64	83	197318	52.529	ug/l	100
48) Methyl methacrylate	9.43	41	84332	46.859	ug/l	100
49) 1,4-Dioxane	9.47	88	20828	813.941	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	404865	213.530	ug/l	100
52) Toluene	10.38	92	424096	52.223	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201415	51.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	247979	52.425	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109558	48.685	ug/l	100
56) Ethyl methacrylate	10.65	69	142521	47.624	ug/l	100
57) 1,3-Dichloropropane	10.93	76	192150	49.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	338327	240.431	ug/l	100
59) 2-Hexanone	10.96	43	292435	225.457	ug/l	100
60) Dibromochloromethane	11.13	129	133598	51.583	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104427	48.755	ug/l	100
64) Tetrachloroethene	10.86	164	159917	51.109	ug/l	100
65) Chlorobenzene	11.66	112	432793	51.295	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	152438	51.886	ug/l	100
67) Ethyl Benzene	11.73	91	791984	51.305	ug/l	100
68) m/p-Xylenes	11.84	106	608863	103.684	ug/l	100
69) o-Xylene	12.16	106	280465	51.599	ug/l	100
70) Styrene	12.18	104	491295	52.673	ug/l	100
71) Bromoform	12.35	173	78833	49.328	ug/l #	100
73) Isopropylbenzene	12.46	105	780849	50.311	ug/l	100
74) N-amyl acetate	12.27	43	149091	44.738	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	117481	44.945	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	73402m	41.317	ug/l	
77) Bromobenzene	12.74	156	184800	50.072	ug/l	100
78) n-propylbenzene	12.80	91	906649	50.496	ug/l	100
79) 2-Chlorotoluene	12.89	91	506373	50.248	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	666918	51.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40020	45.906	ug/l	100
82) 4-Chlorotoluene	12.99	91	535692	51.096	ug/l	100
83) tert-Butylbenzene	13.21	119	588392	51.134	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	658136	51.352	ug/l	100
85) sec-Butylbenzene	13.38	105	801550	50.605	ug/l	100
86) p-Isopropyltoluene	13.50	119	749417	51.367	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	360240	51.345	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	351860	51.172	ug/l	100
89) n-Butylbenzene	13.82	91	684996	51.996	ug/l	100
90) Hexachloroethane	14.09	117	131254	52.228	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	308642	49.981	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17530	42.332	ug/l	100

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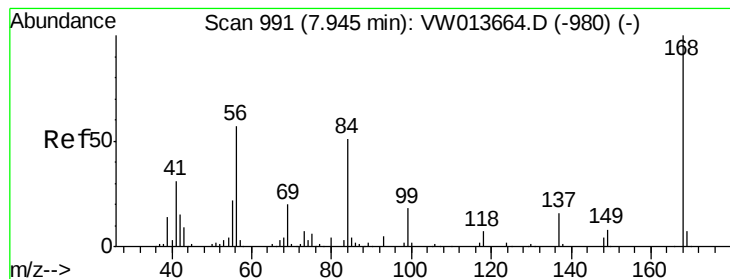
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	229897	52.408	ug/l	100
94) Hexachlorobutadiene	15.23	225	150519	51.653	ug/l	100
95) Naphthalene	15.36	128	368335	49.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	197742	51.522	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tot Ion: 168 Resp: 352578

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.6

Instrument :

MSVOA_W

ClientSampleId :

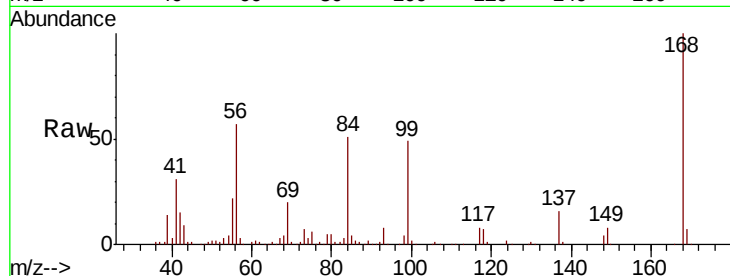
VSTDICCC050

Manual Integrations

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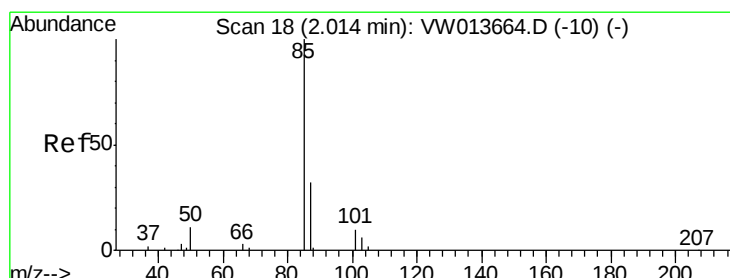
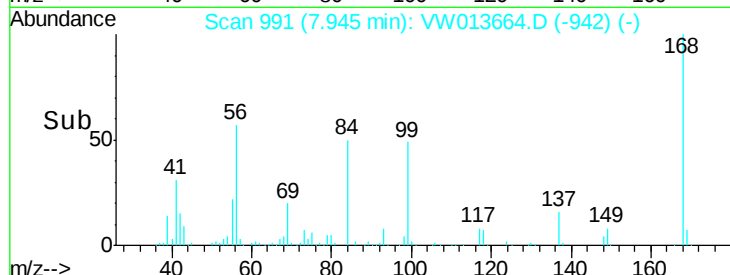
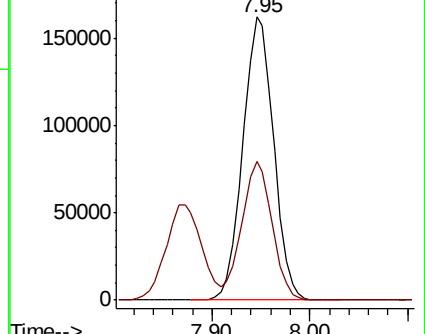
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 63.563 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013664.D

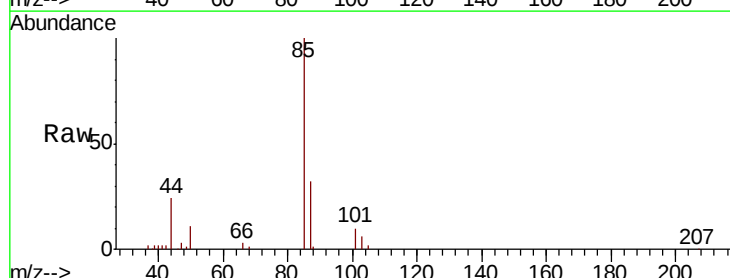
Acq: 23 Oct 2019 12:42

Tgt Ion: 85 Resp: 78658

Ion Ratio Lower Upper

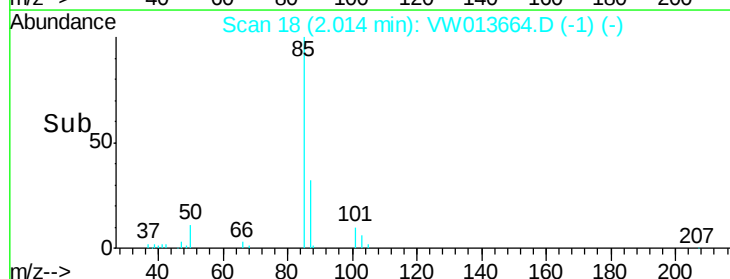
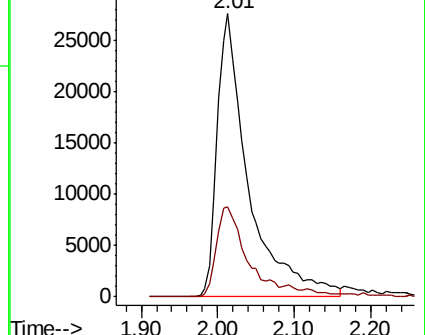
85 100

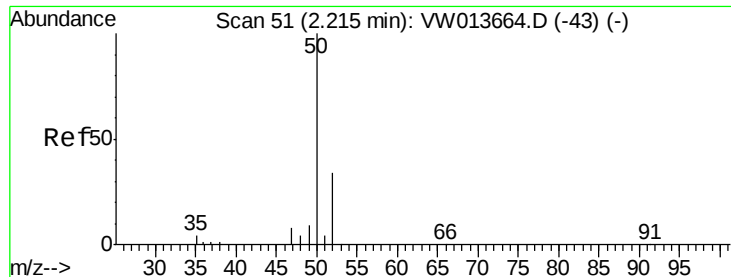
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.824 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 86266

Ion Ratio Lower Upper

50 100

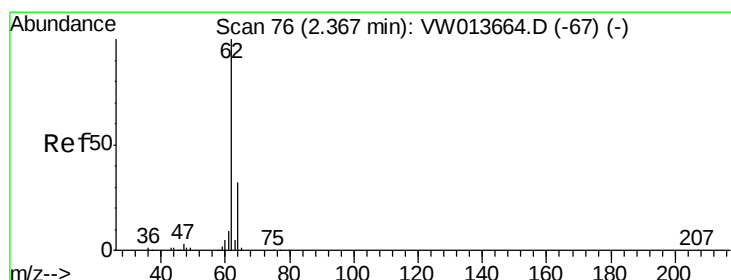
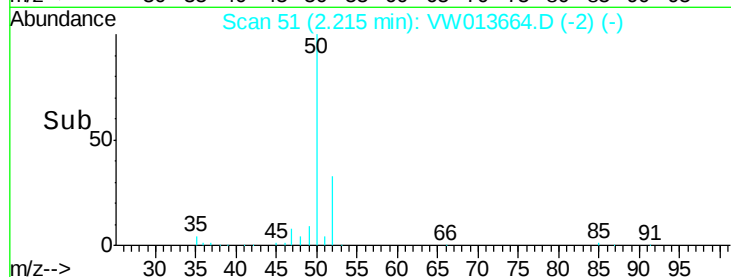
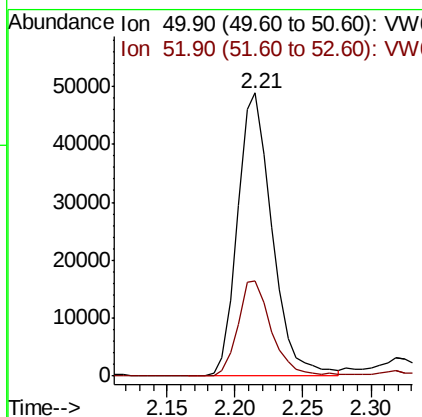
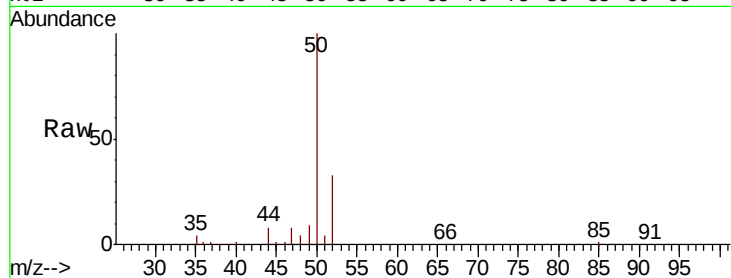
52 33.6 26.9 40.3

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#4

Vinyl Chloride

Concen: 47.622 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013664.D

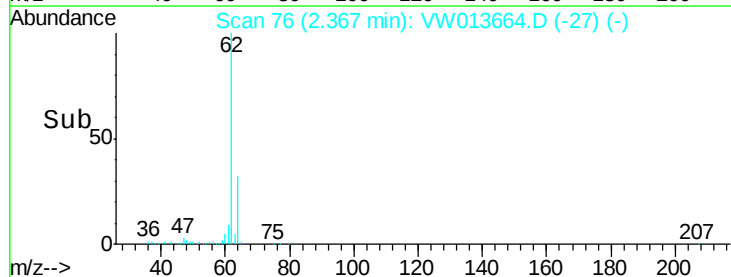
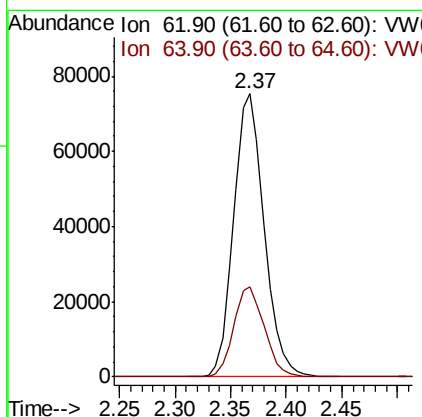
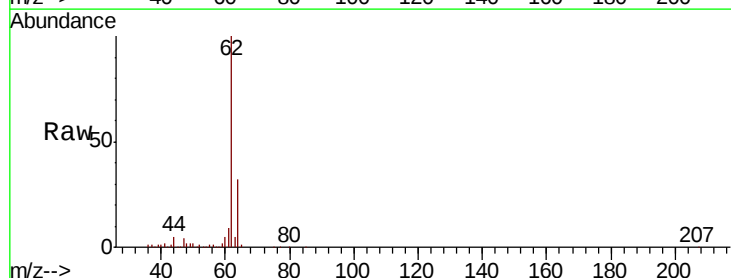
Acq: 23 Oct 2019 12:42

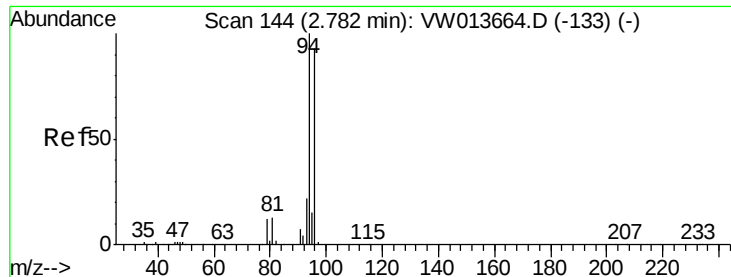
Tgt Ion: 62 Resp: 143130

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 51.016 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 92703

Ion Ratio Lower Upper

94 100

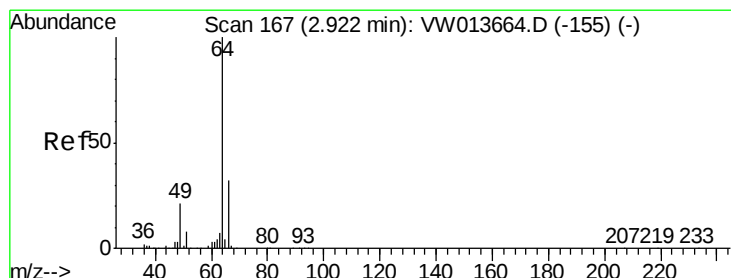
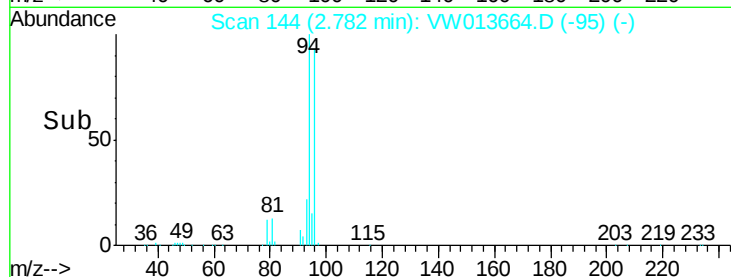
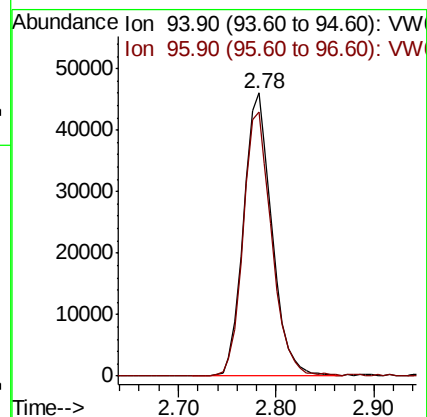
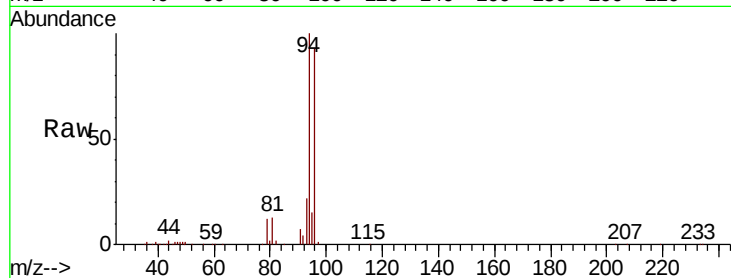
96 93.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 51.682 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013664.D

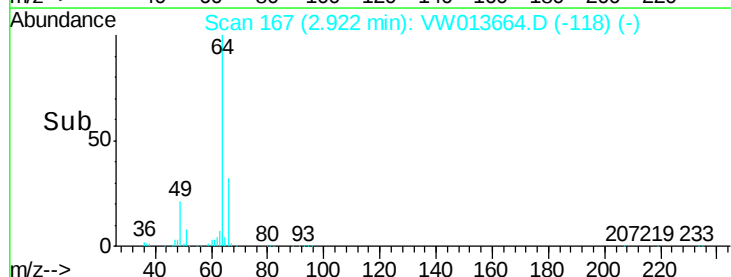
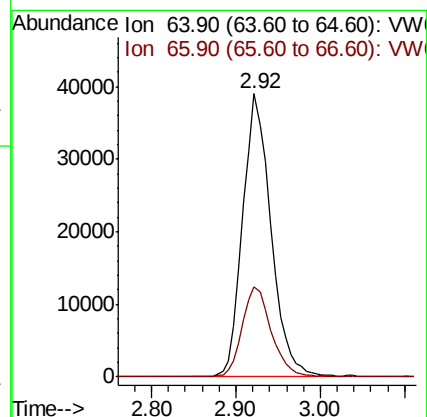
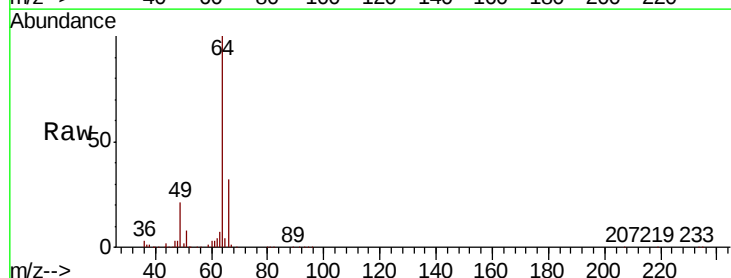
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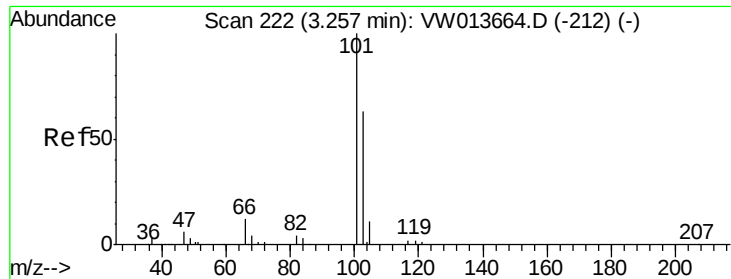
Tgt Ion: 64 Resp: 88673

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0





#7

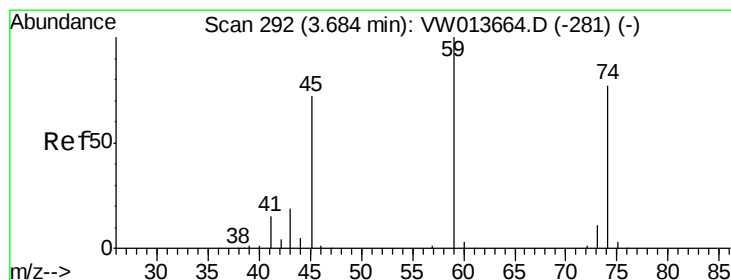
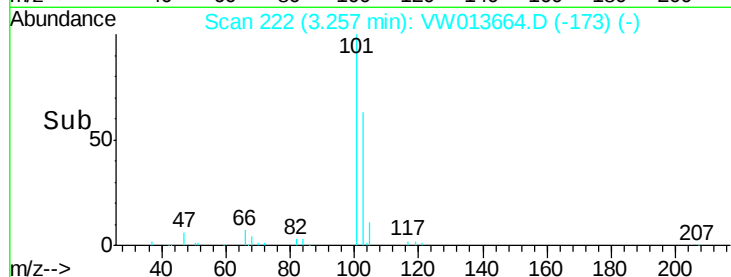
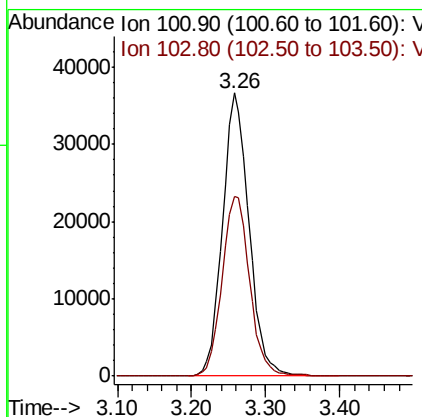
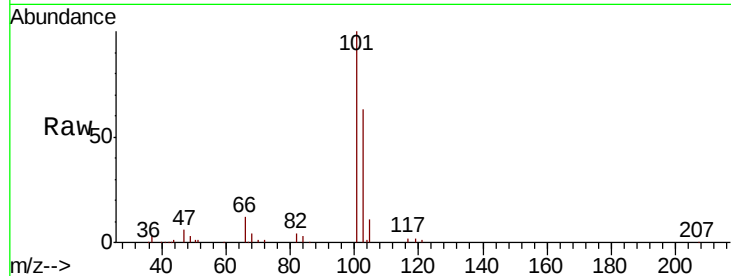
Trichlorofluoromethane
Concen: 61.564 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.6	76.0

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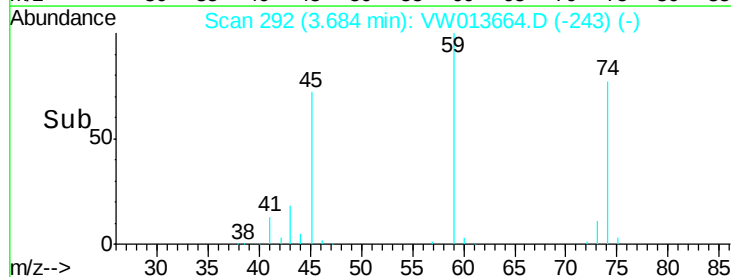
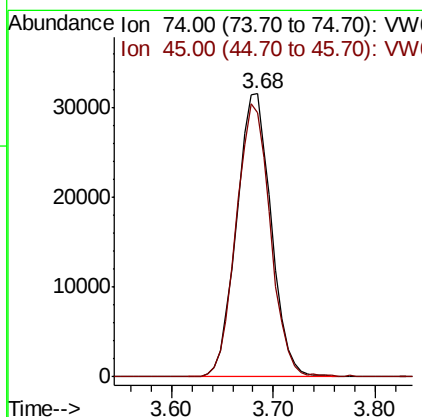
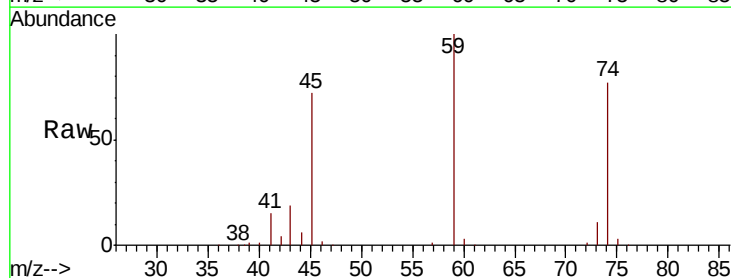
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10/24/2019 1:26:47 PM

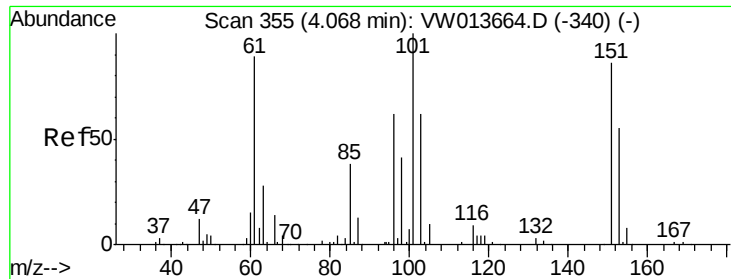


#8

Diethyl Ether
Concen: 49.639 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.523 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013664.D

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MSVOA_W

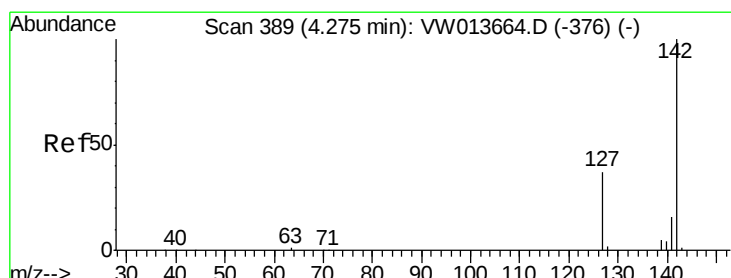
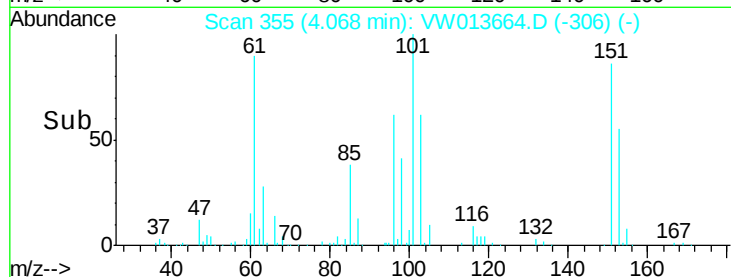
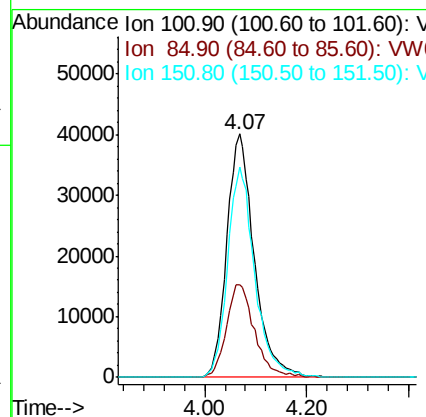
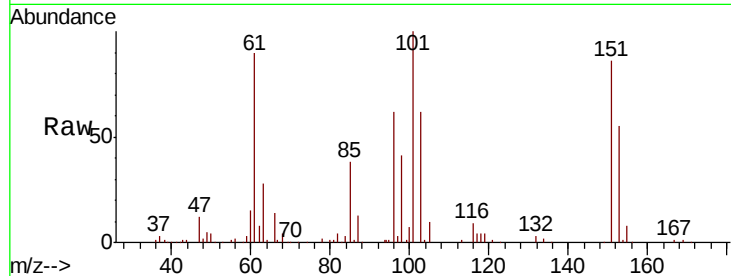
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	149740
Ion Ratio	Lower	Upper	
101	100		
85	38.8	31.0	46.6
151	85.3	68.2	102.4

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#10

Methyl Iodide

Concen: 52.240 ug/l

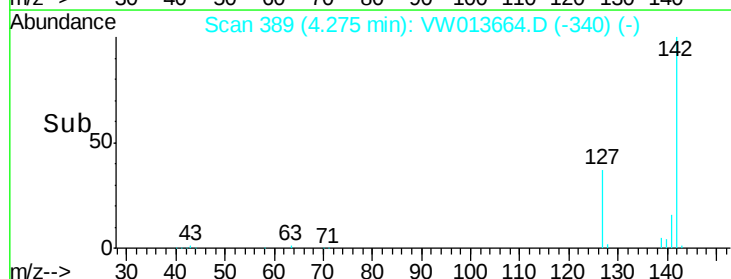
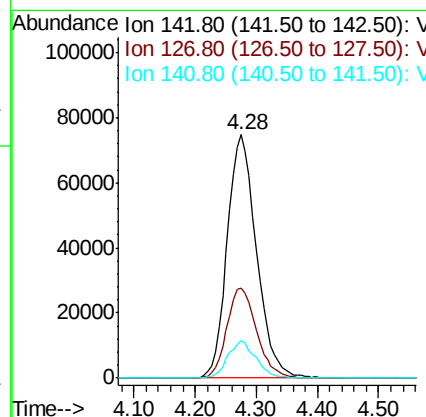
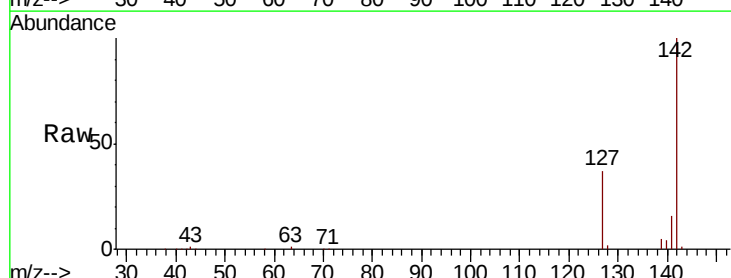
RT: 4.28 min Scan# 389

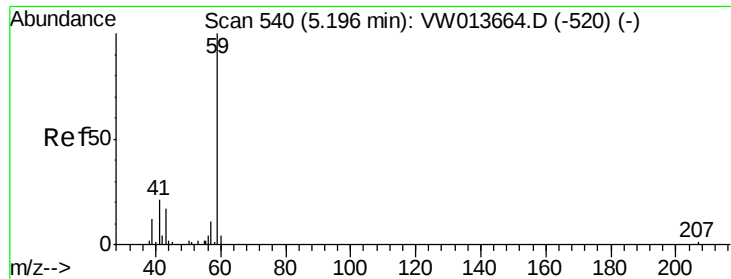
Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion:	142	Resp:	246802
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	14.8	11.8	17.8





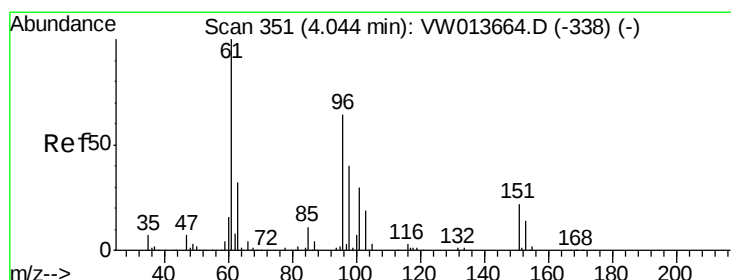
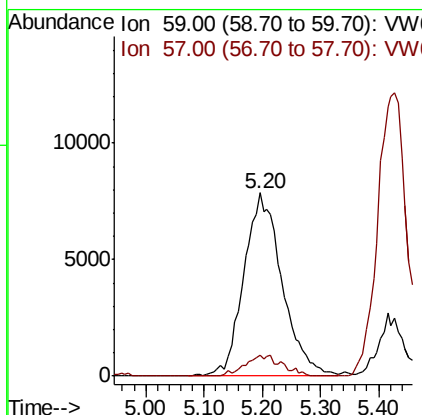
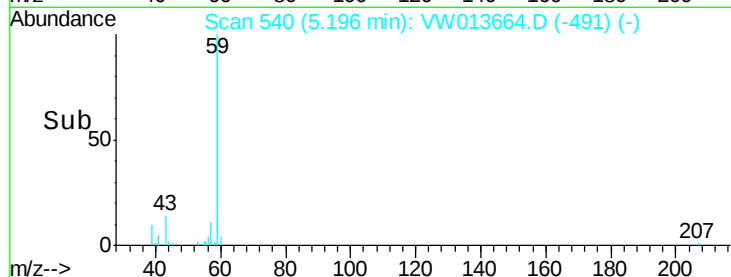
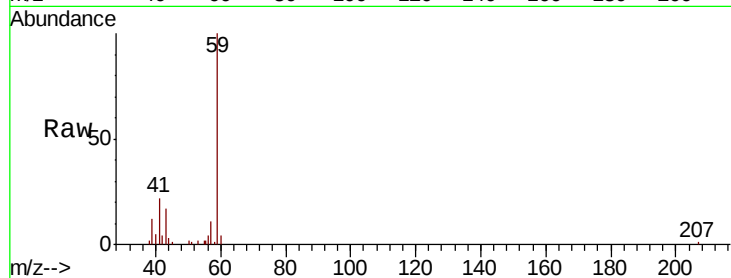
#11
Tert butyl alcohol
Concen: 161.192 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

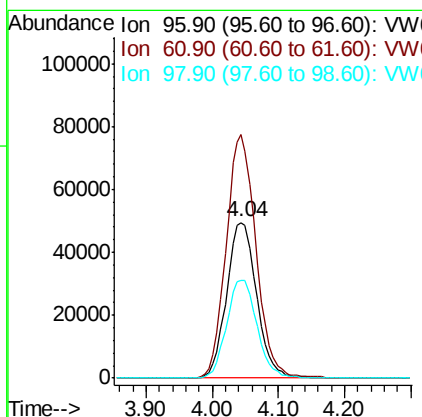
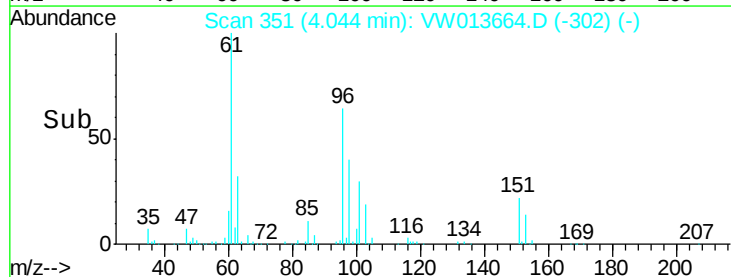
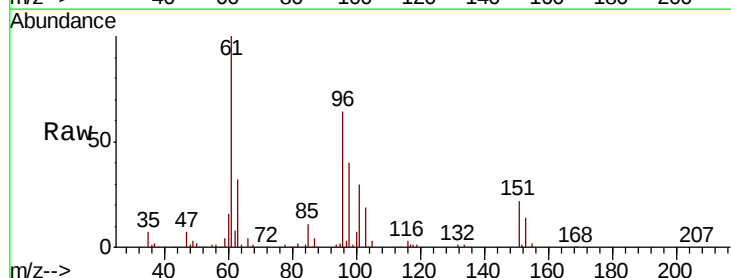
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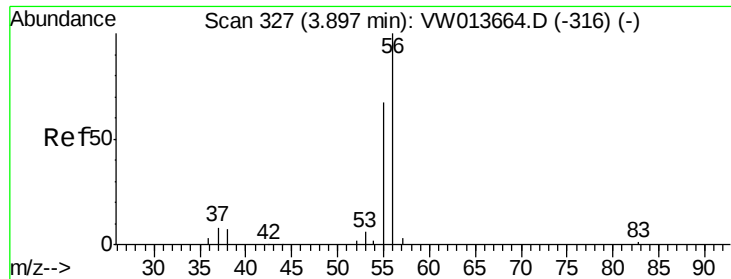
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#12
1,1-Dichloroethene
Concen: 50.567 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	125.0	187.6
98	62.9	50.3	75.5





#13

Acrolein

Concen: 212.349 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 44945

Ion Ratio Lower Upper

56 100

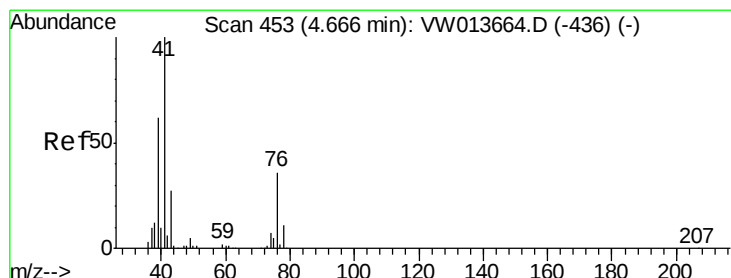
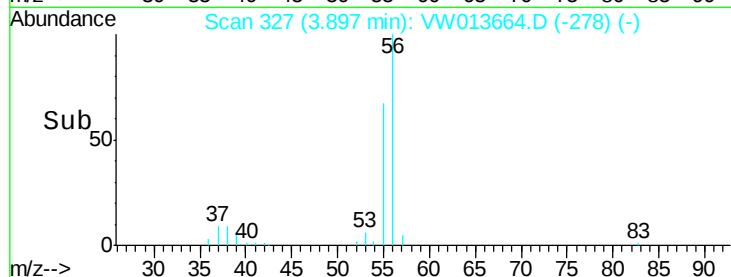
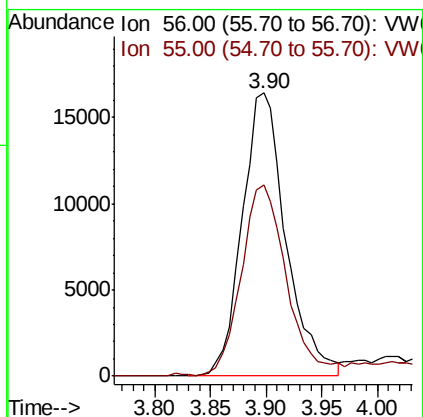
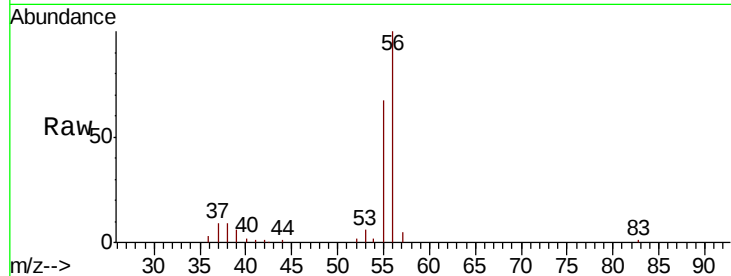
55 70.1 56.1 84.1

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#14

Allyl chloride

Concen: 50.791 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

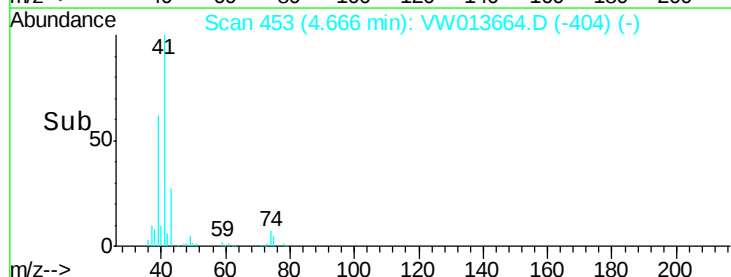
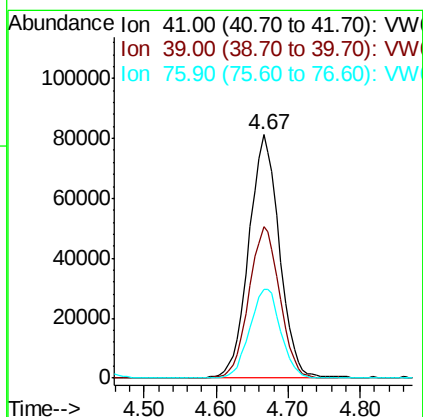
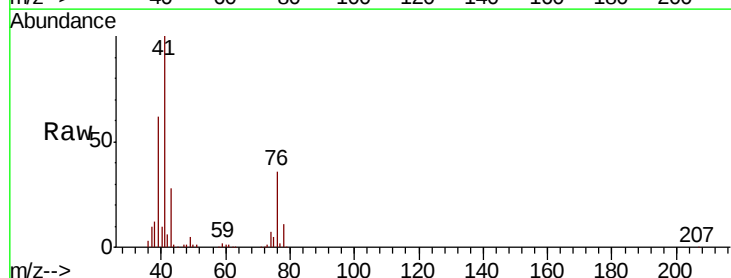
Tgt Ion: 41 Resp: 240319

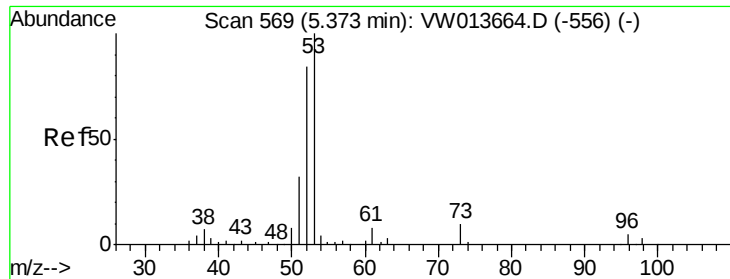
Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 37.0 29.6 44.4





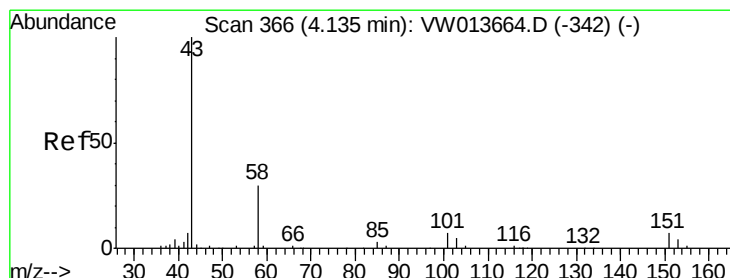
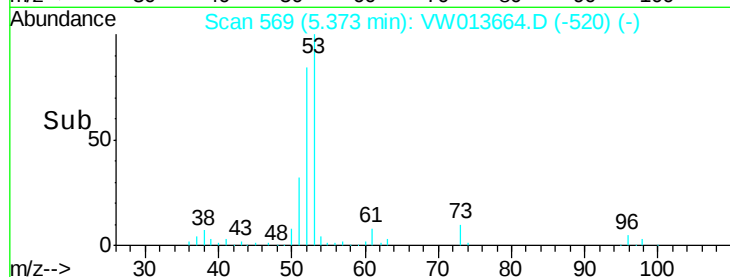
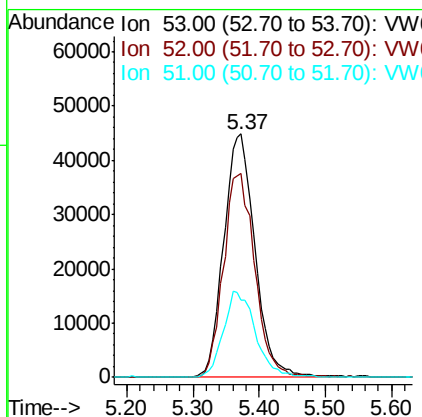
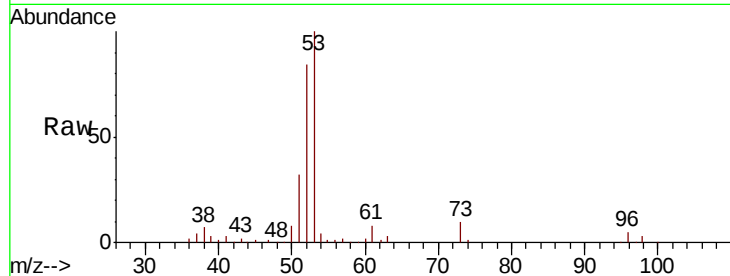
#15
 Acrylonitrile
 Concen: 214.916 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	146747
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.4	101.0
51	36.4	29.1	43.7

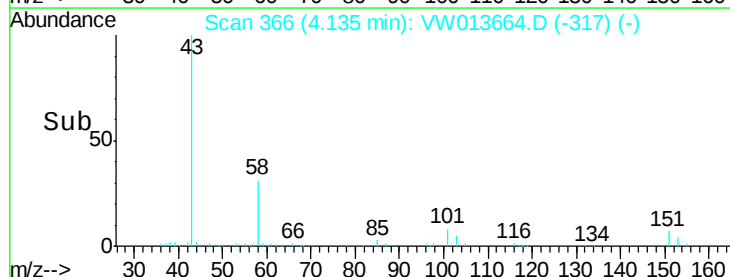
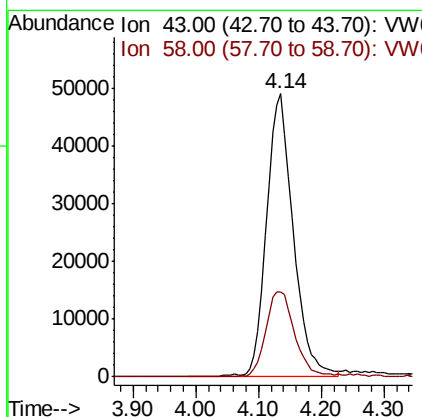
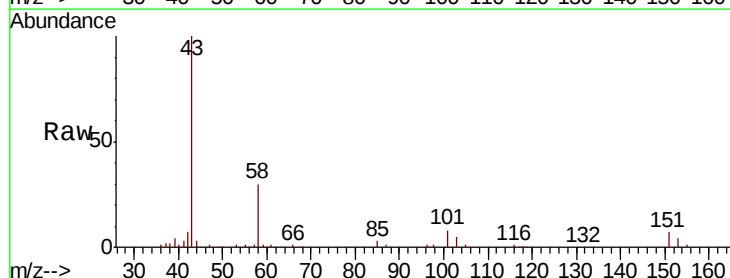
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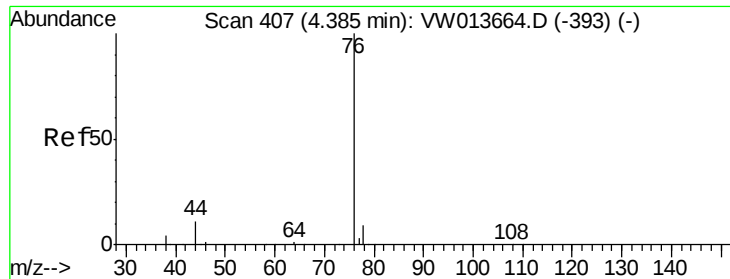
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#16
 Acetone
 Concen: 232.125 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion:	43	Resp:	145308
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.1	36.1





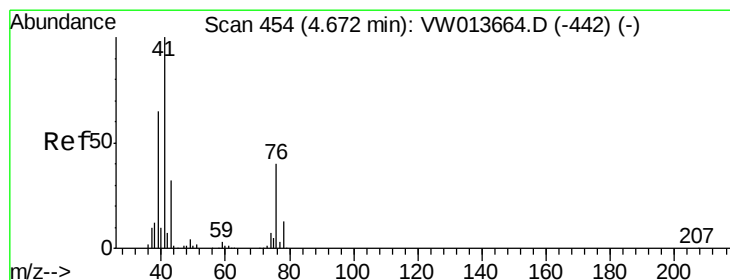
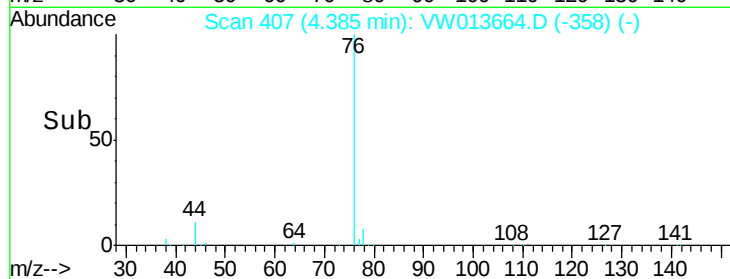
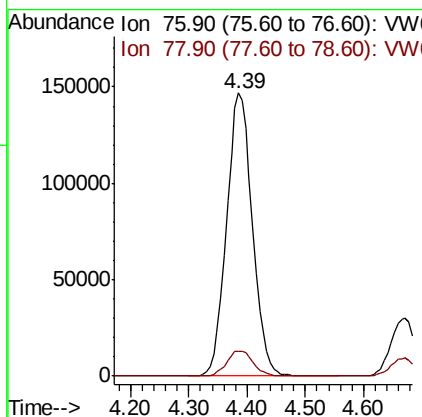
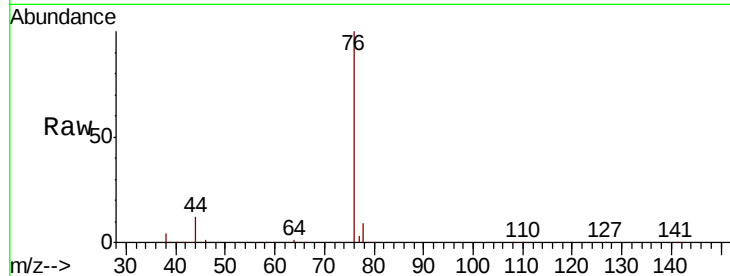
#17
Carbon Disulfide
Concen: 52.020 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

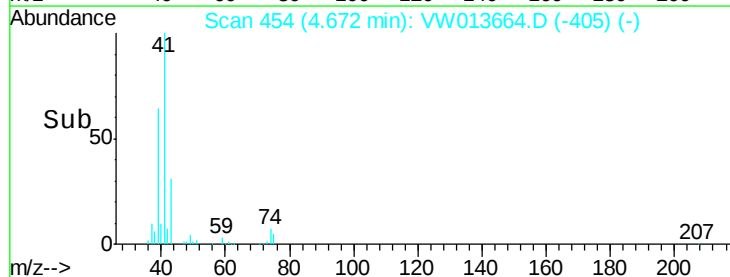
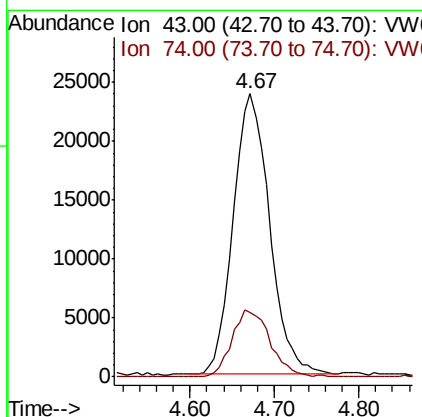
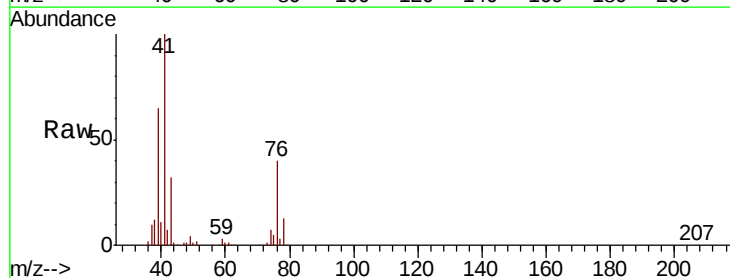
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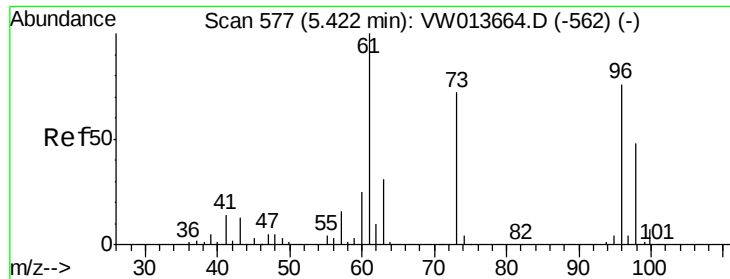
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#18
Methyl Acetate
Concen: 39.135 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





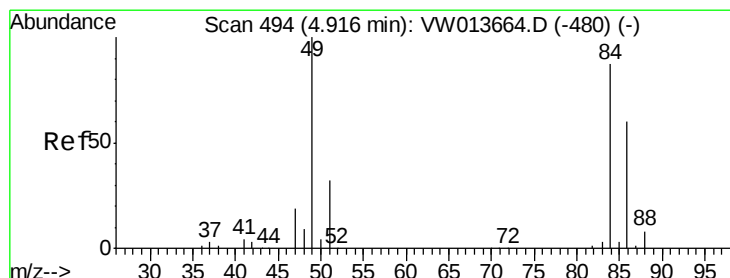
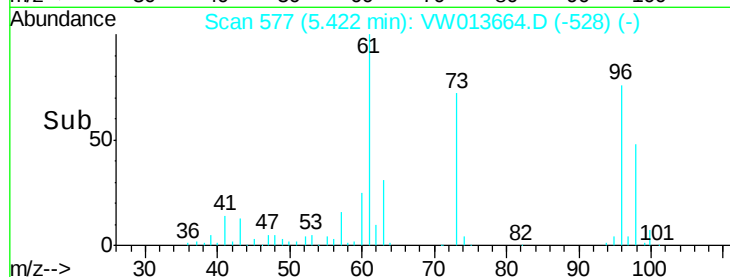
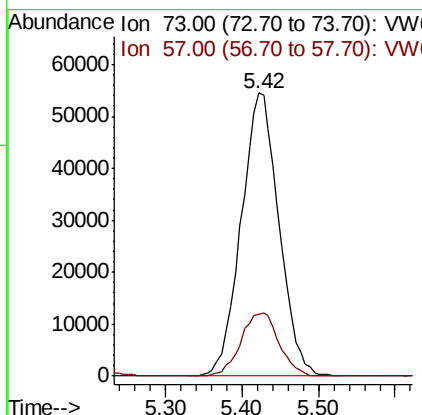
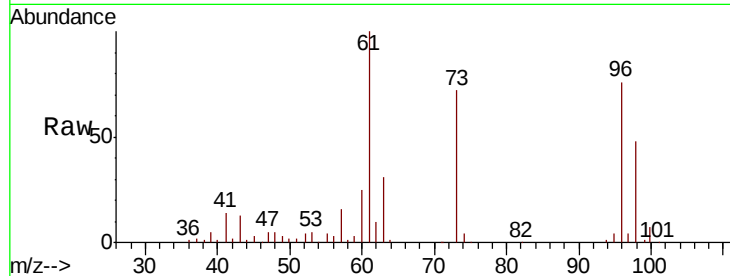
#19
Methyl tert-butyl Ether
Concen: 41.580 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 187063
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

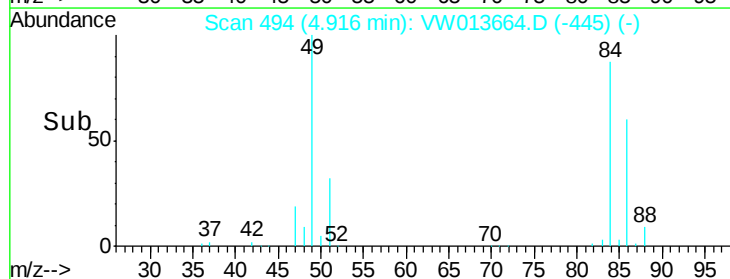
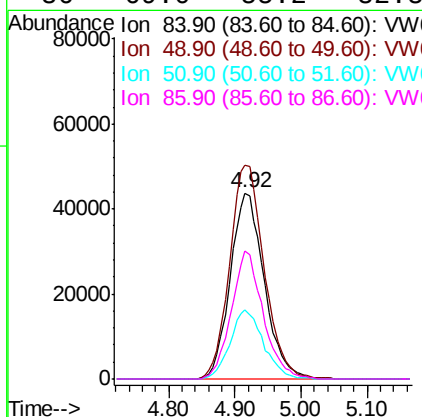
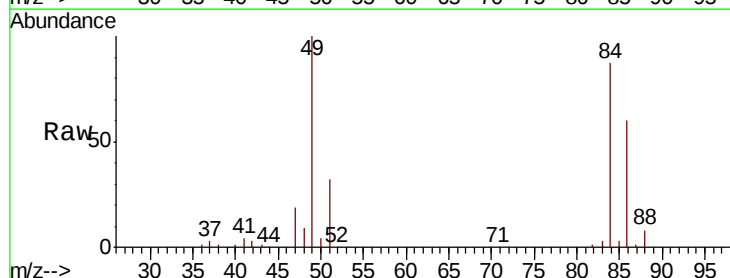
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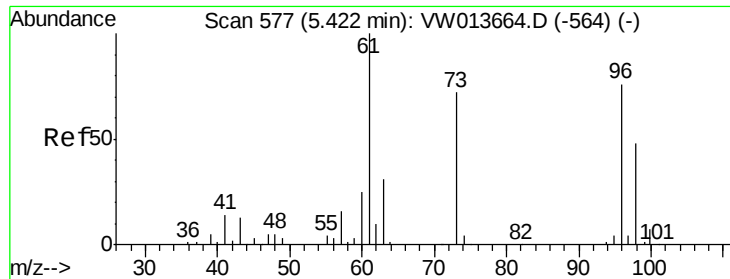
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#20
Methylene Chloride
Concen: 44.411 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 84 Resp: 155526
Ion Ratio Lower Upper
84 100
49 114.7 91.8 137.6
51 37.2 29.8 44.6
86 69.0 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 51.576 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 169165

Ion Ratio Lower Upper

96 100

61 131.0 104.8 157.2

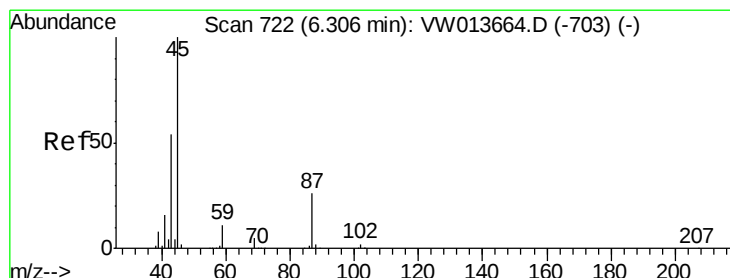
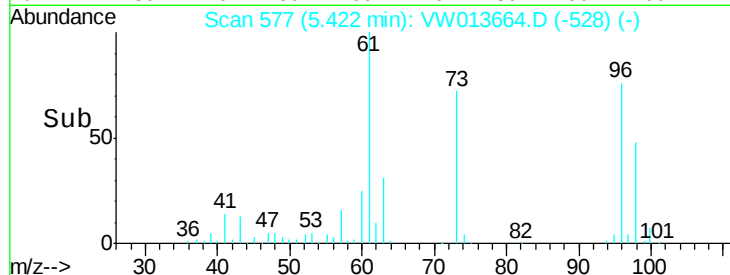
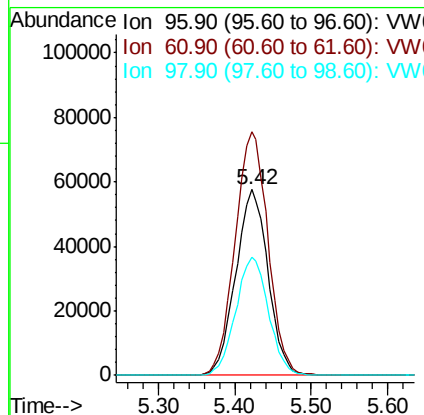
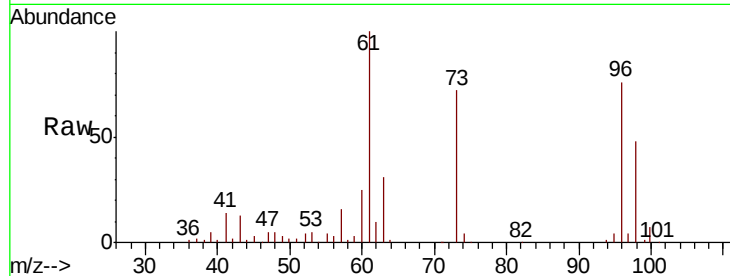
98 63.3 50.6 76.0

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#22

Diisopropyl ether

Concen: 50.127 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 45 Resp: 443262

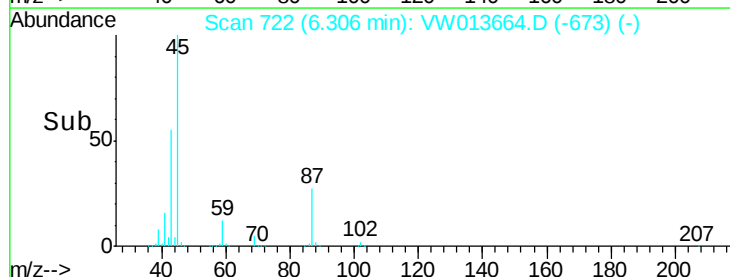
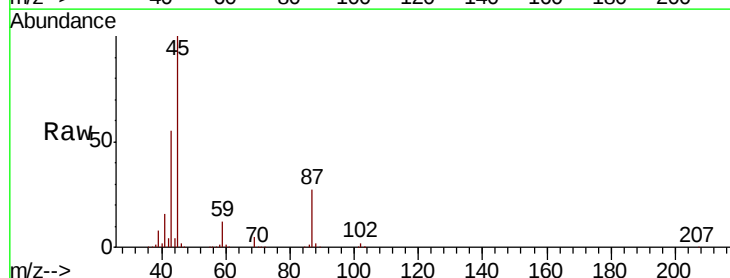
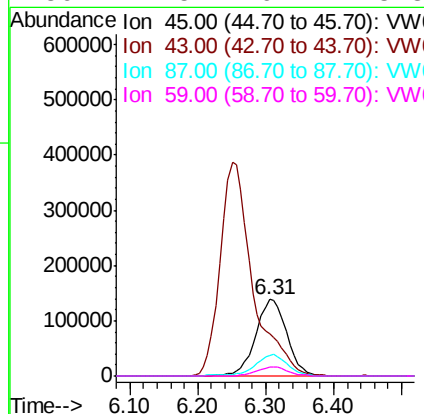
Ion Ratio Lower Upper

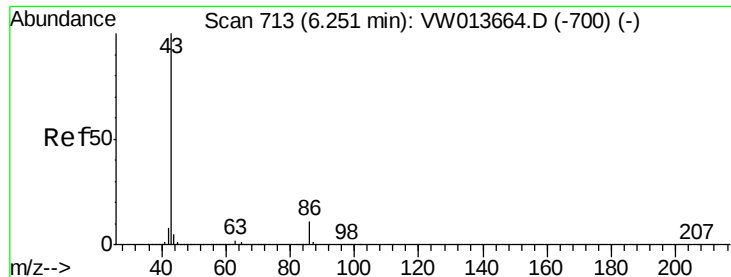
45 100

43 54.3 43.4 65.2

87 26.9 21.5 32.3

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 243.567 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tot Ion: 43 Resp: 1286293

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6

Instrument :

MSVOA_W

ClientSampleId :

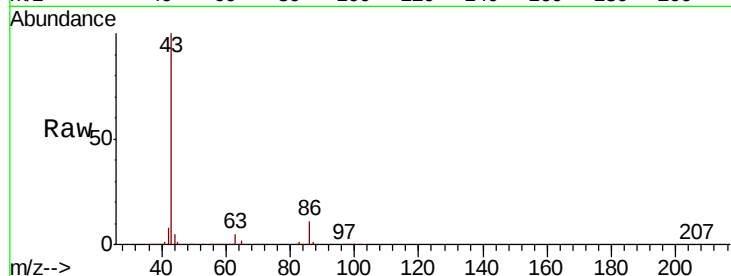
VSTDICCC050

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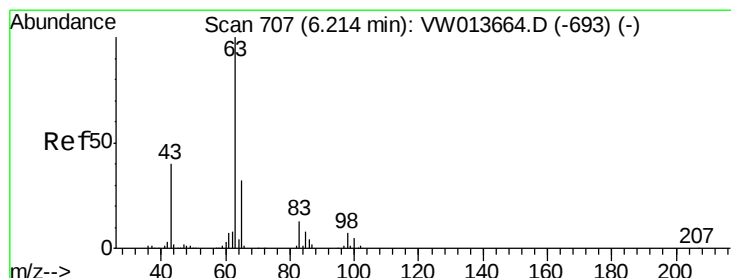
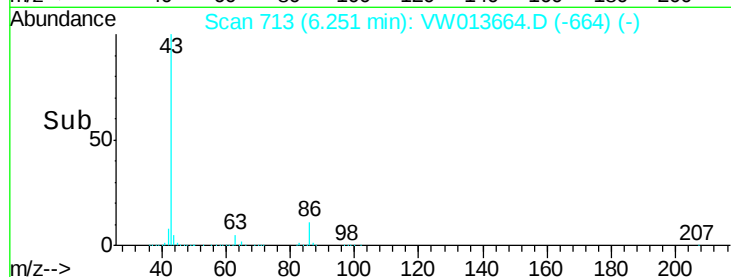
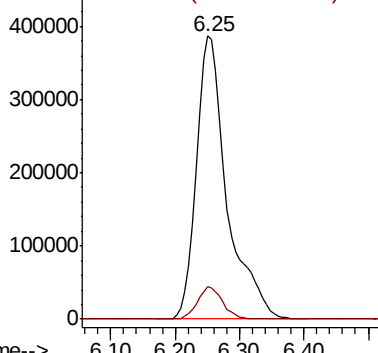
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.191 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

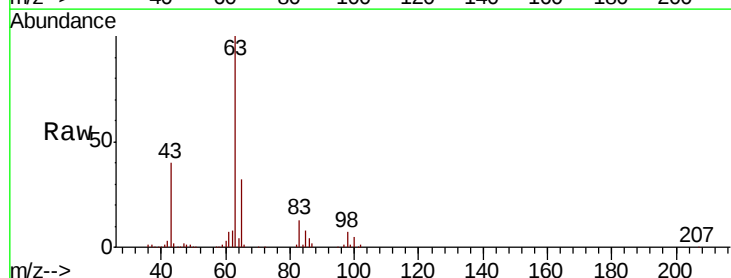
Tgt Ion: 63 Resp: 278527

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

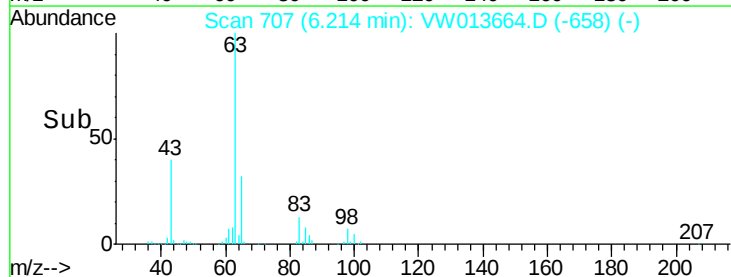
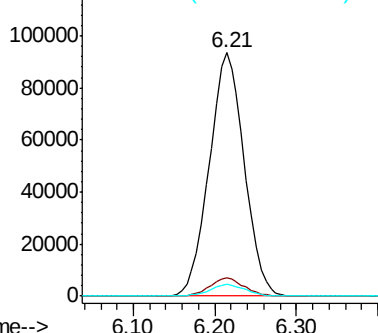
100 4.9 2.5 7.4

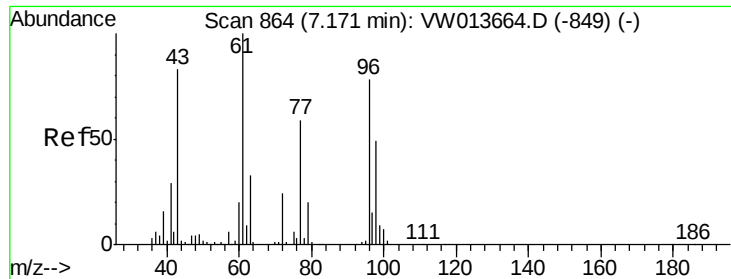


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 213.416 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 196014

Ion Ratio Lower Upper

43 100

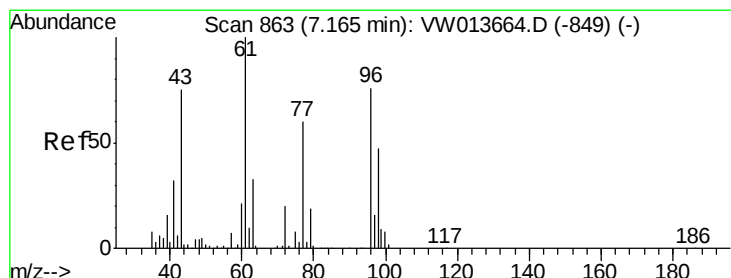
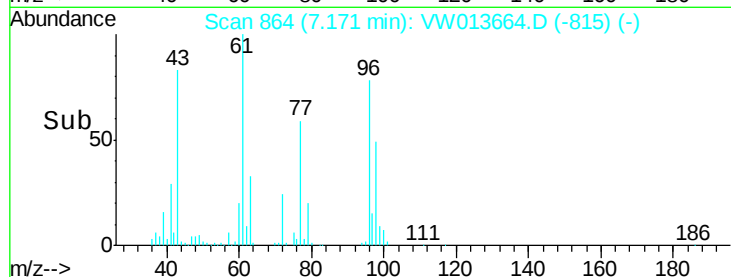
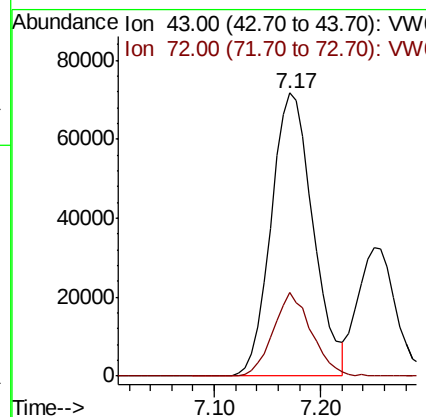
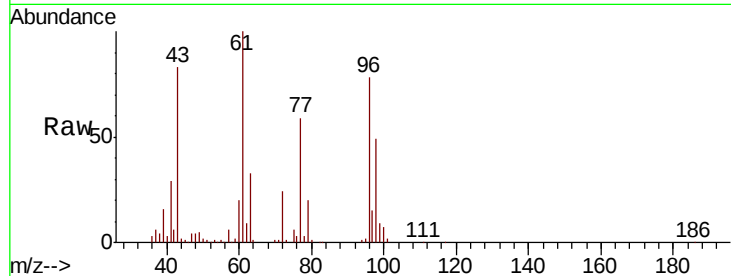
72 29.5 23.6 35.4

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#26

2,2-Dichloropropane

Concen: 44.764 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013664.D

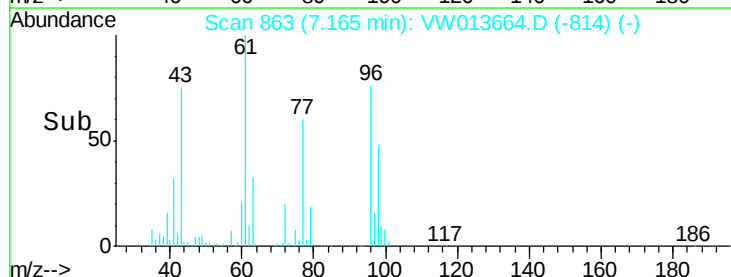
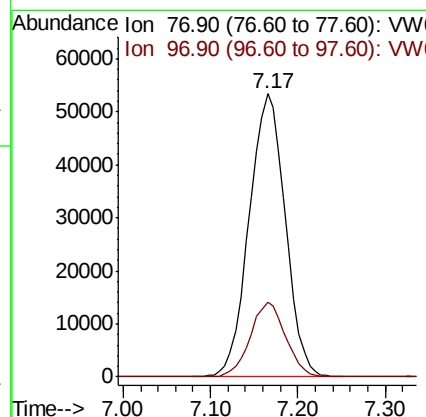
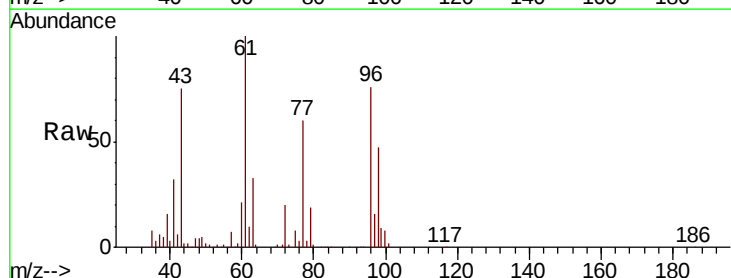
Acq: 23 Oct 2019 12:42

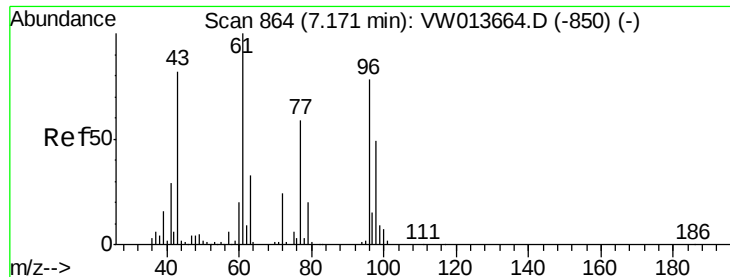
Tgt Ion: 77 Resp: 153516

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4





#27

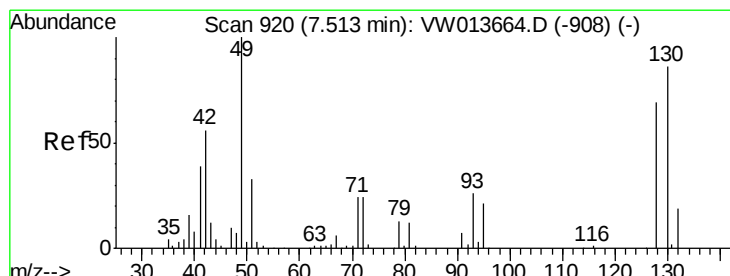
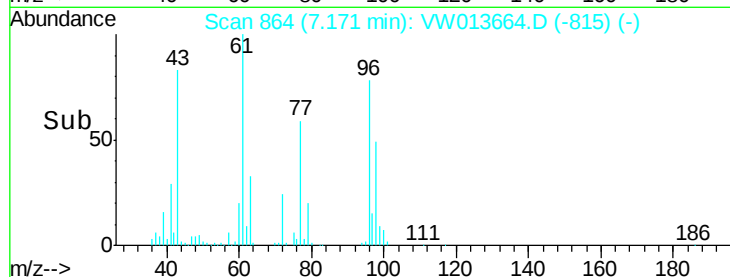
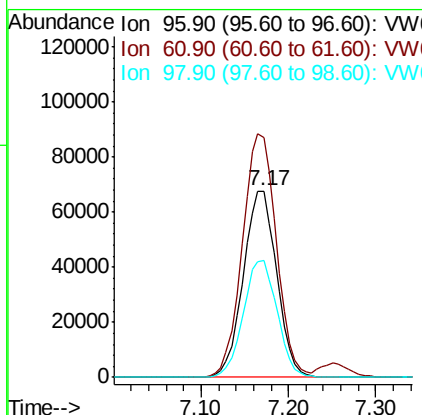
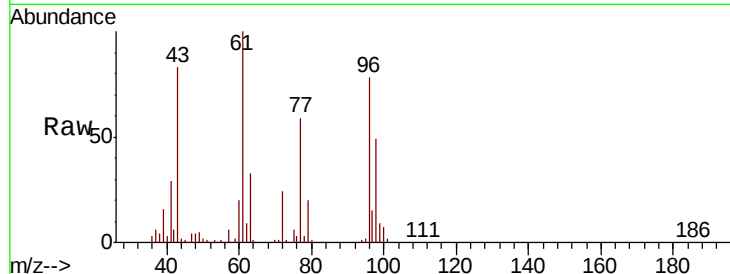
cis-1,2-Dichloroethene
Concen: 51.641 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179491		
61	133.0	0.0	266.0	
98	63.4	0.0	126.8	

Manual Integrations
APPROVED

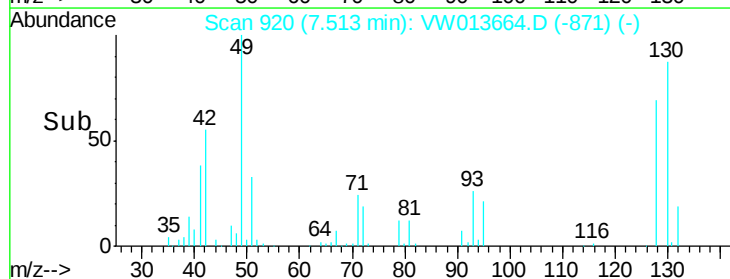
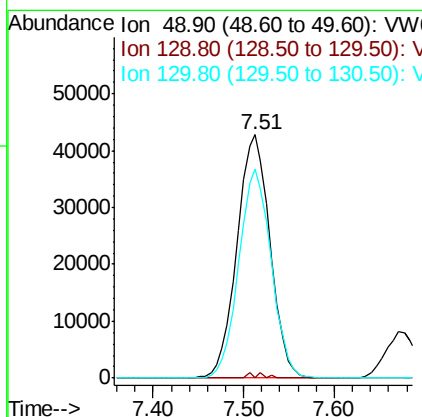
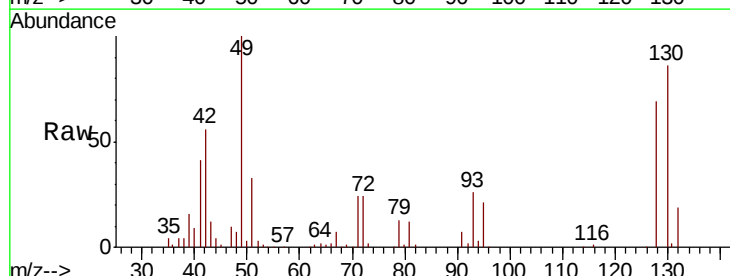
MMDadoda
10/24/2019 1:26:47 PM

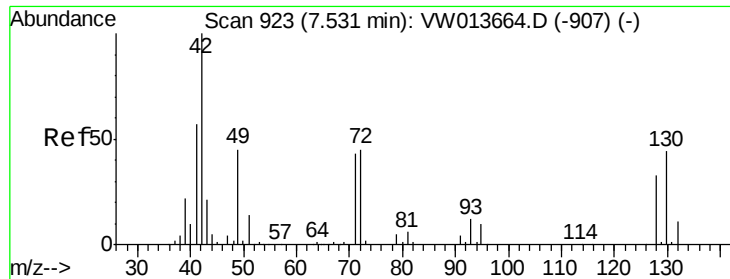


#28

Bromochloromethane
Concen: 55.593 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107966		
129	0.3	0.0	0.6	
130	84.4	67.5	101.3	





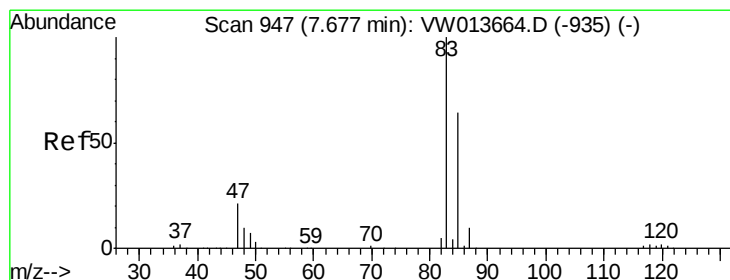
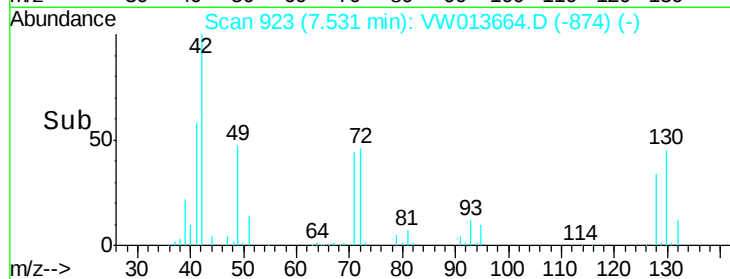
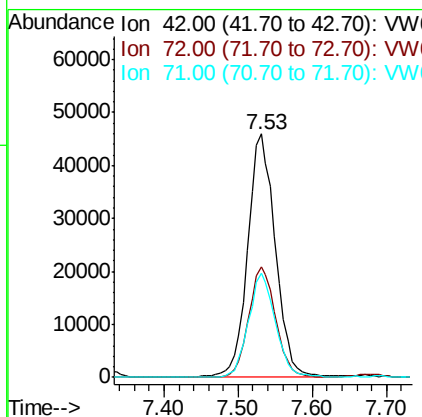
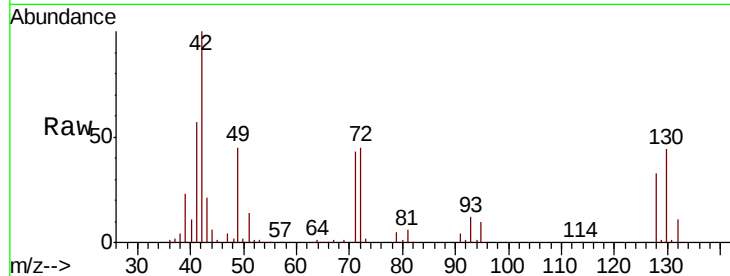
#29
Tetrahydrofuran
Concen: 214.383 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	41.6	33.3	49.9

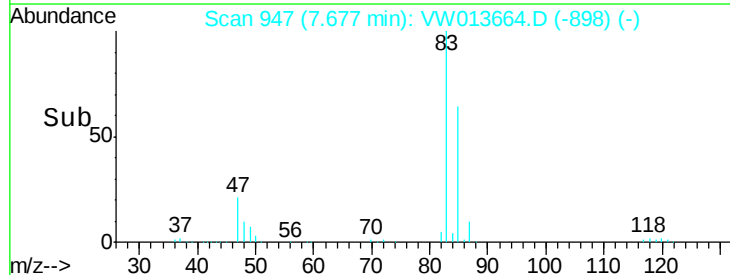
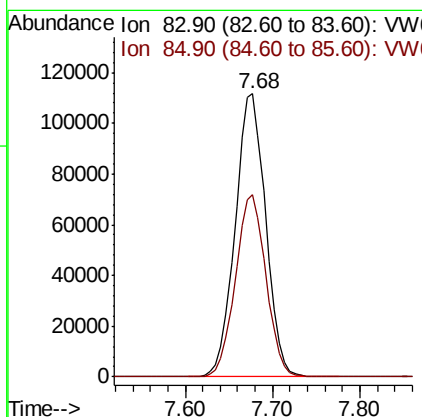
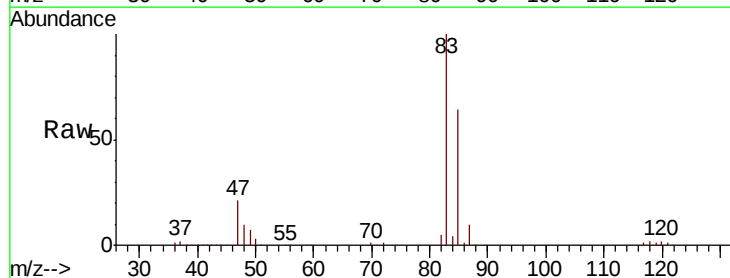
Manual Integrations
APPROVED

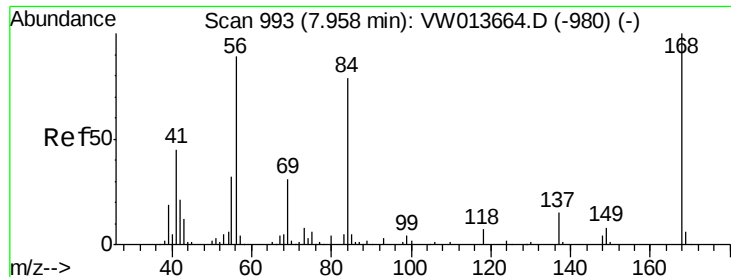
MMDadoda
10/24/2019 1:26:47 PM



#30
Chloroform
Concen: 51.261 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





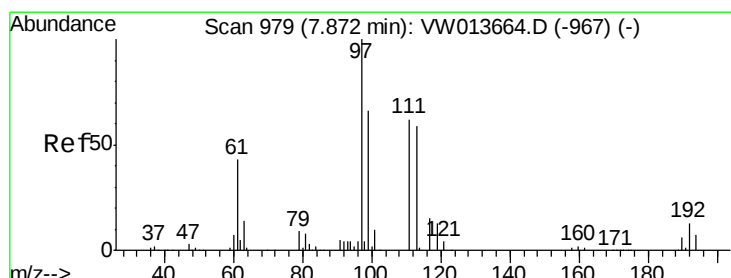
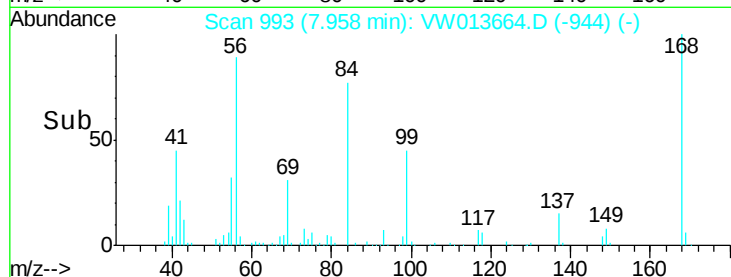
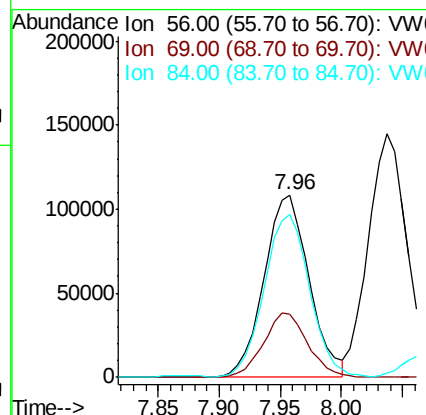
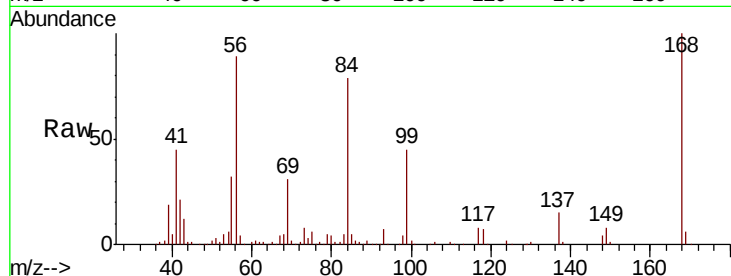
#31
Cyclohexane
Concen: 48.480 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	88.5	70.8	106.2

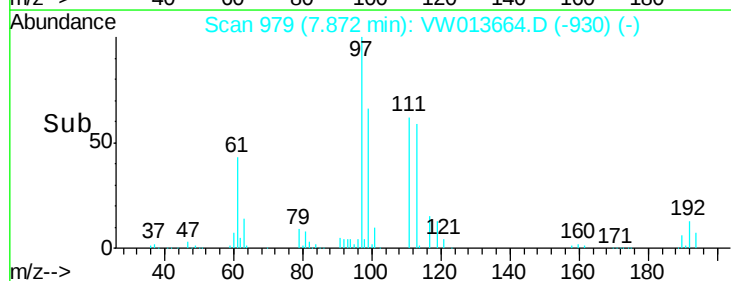
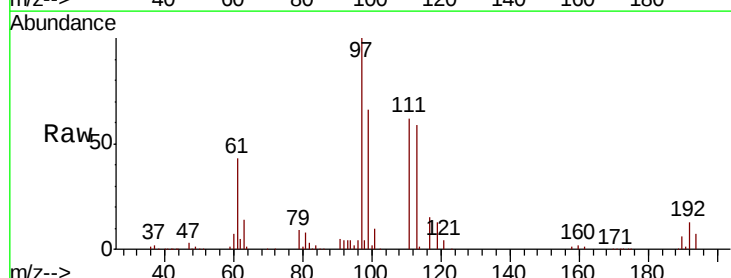
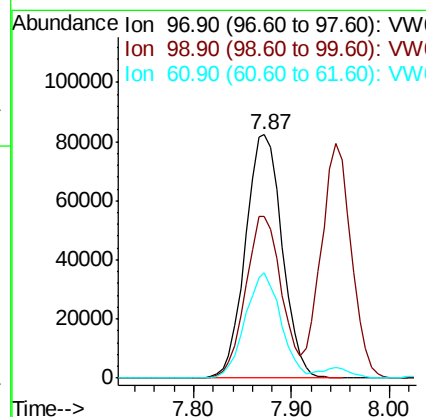
Manual Integrations
APPROVED

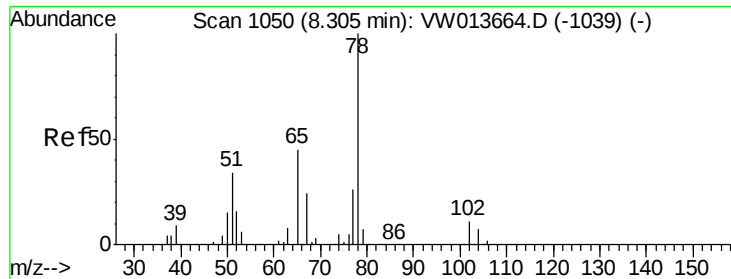
MMDadoda
10/24/2019 1:26:47 PM



#32
1,1,1-Trichloroethane
Concen: 50.383 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	42.2	33.8	50.6





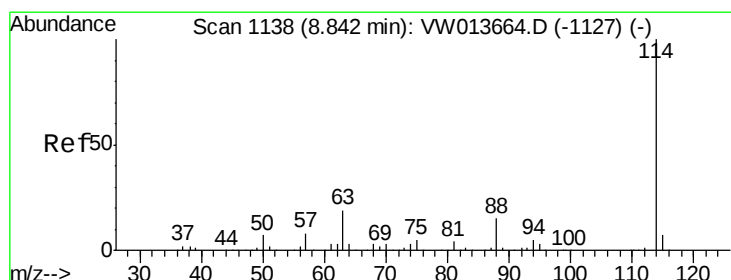
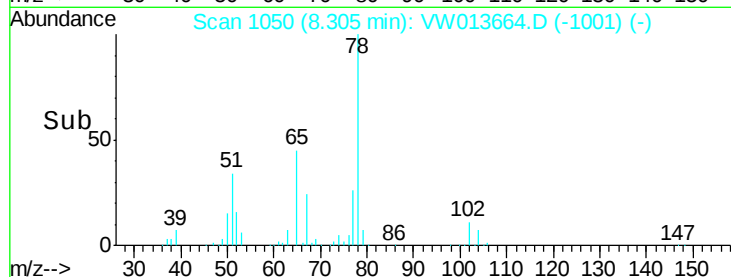
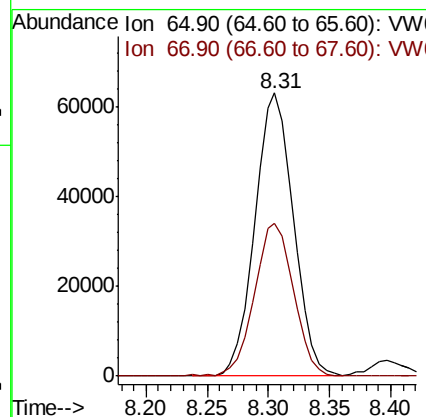
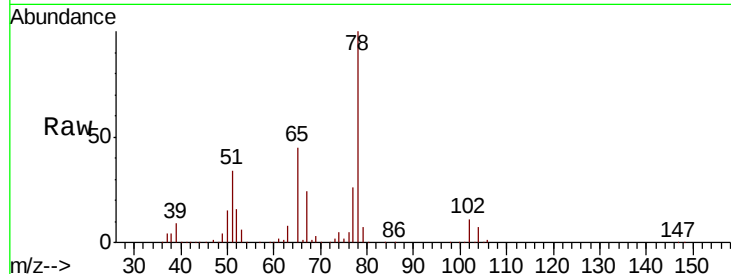
#33
 1,2-Dichloroethane-d4
 Concen: 50.288 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.4	

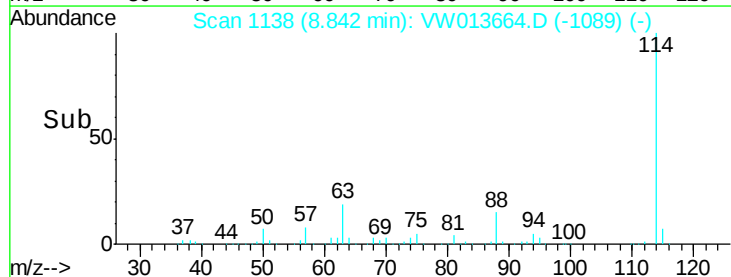
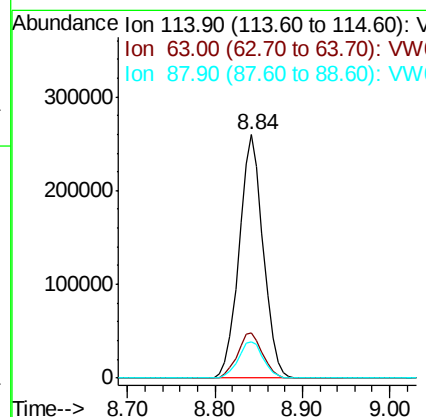
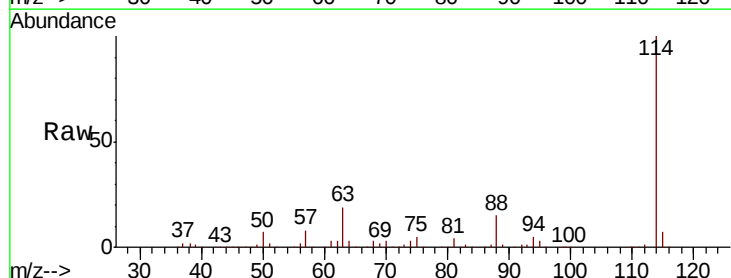
Manual Integrations
 APPROVED

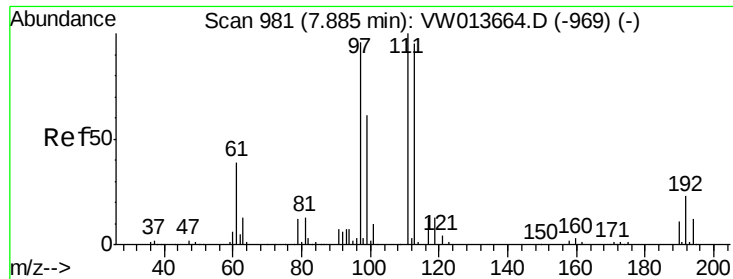
MMDadoda
 10/24/2019 1:26:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	37.6	
88	15.1	0.0	30.2	





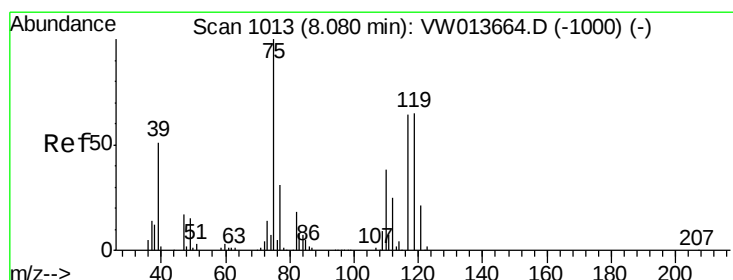
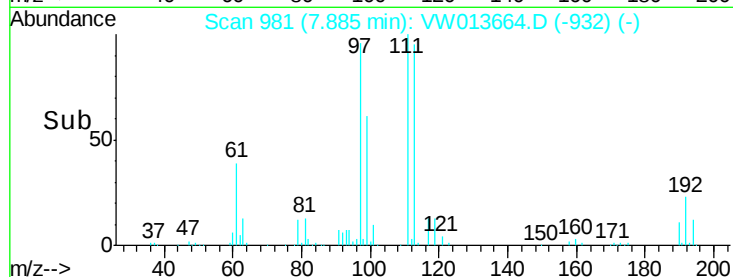
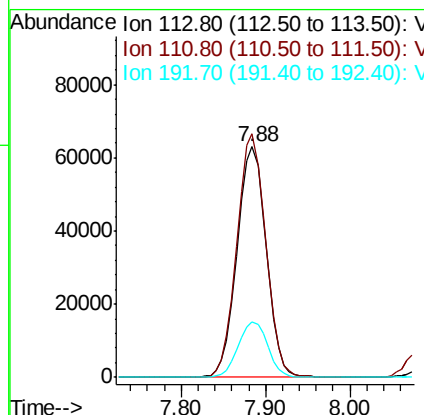
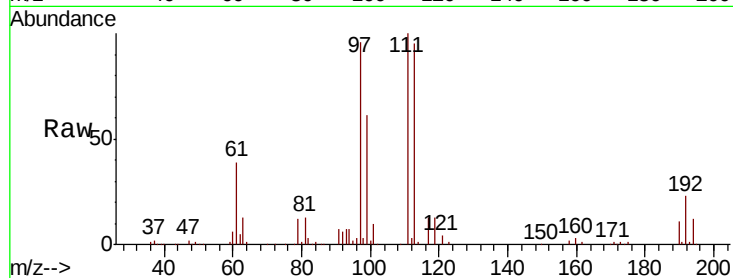
#35
 Dibromofluoromethane
 Concen: 52.867 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147887		
111	103.8	83.0	124.6	
192	24.3	19.4	29.2	

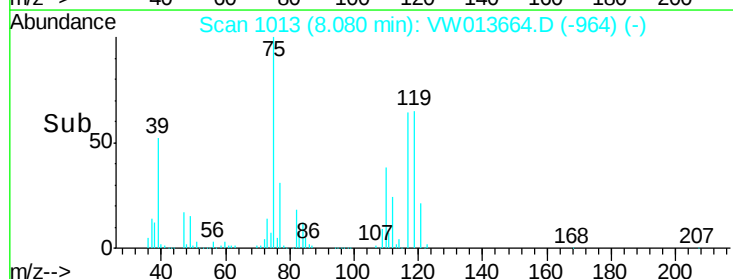
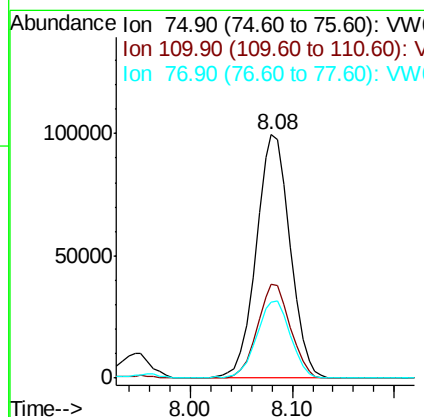
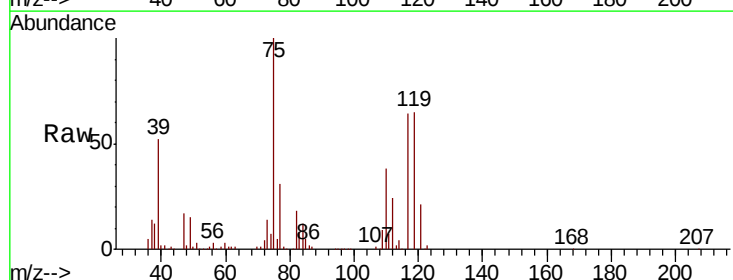
Manual Integrations
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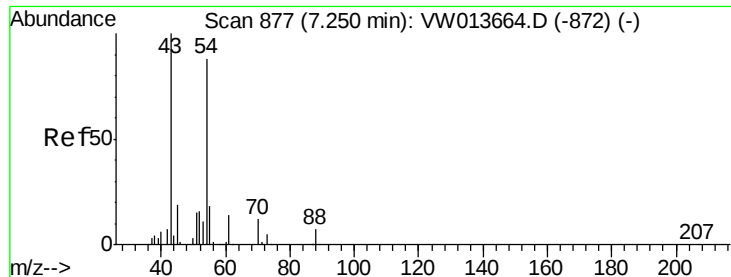
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.983 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229645		
110	37.4	18.7	56.1	
77	31.7	25.4	38.0	





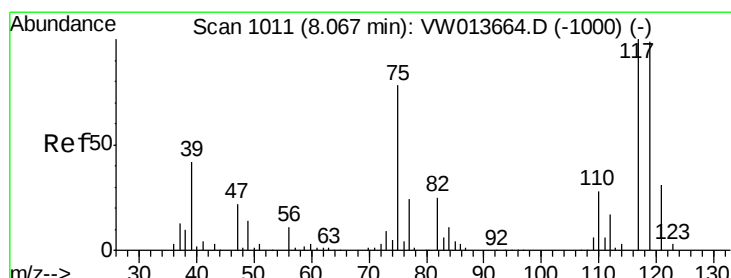
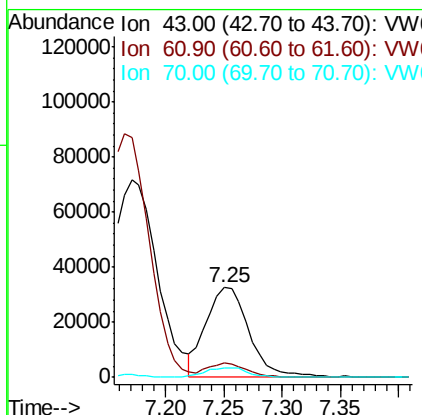
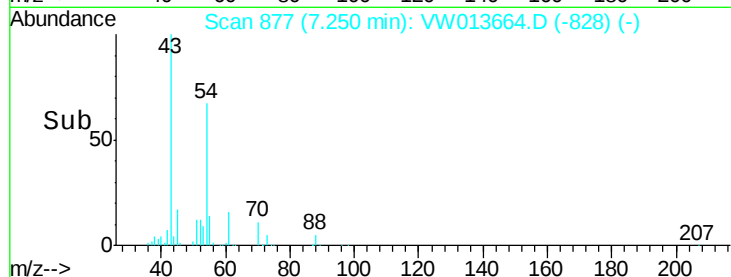
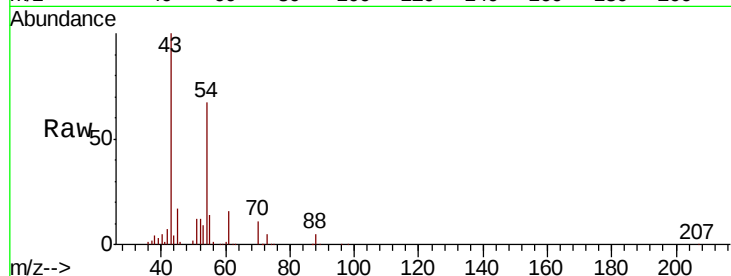
#37
Ethyl Acetate
Concen: 41.383 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.0	8.8	13.2

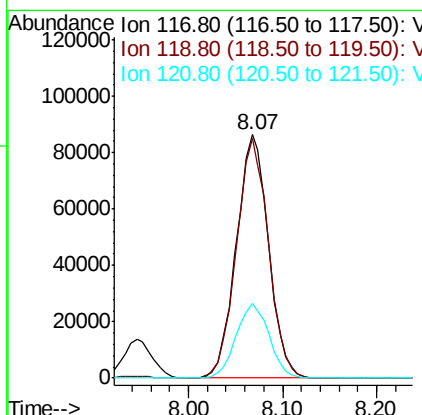
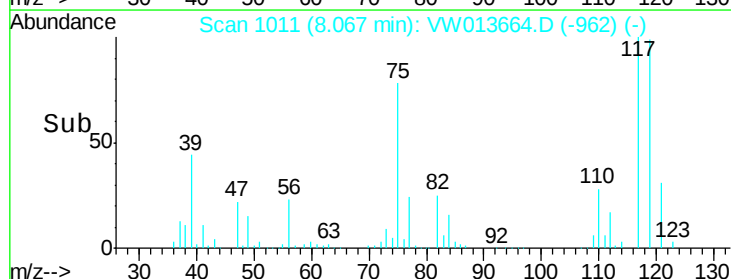
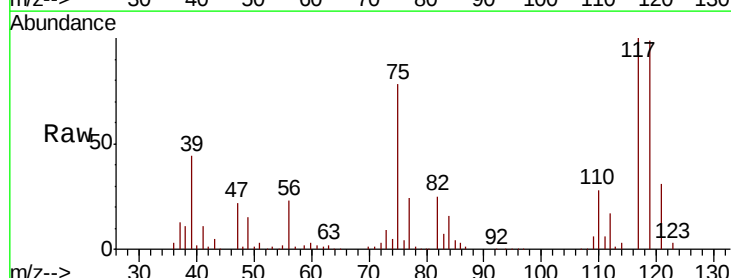
Manual Integrations
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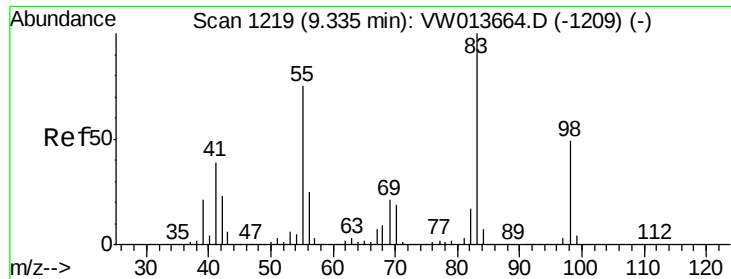
MMDadoda
10/24/2019 1:26:47 PM



#38
Carbon Tetrachloride
Concen: 51.733 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.0	118.4
121	30.6	24.5	36.7





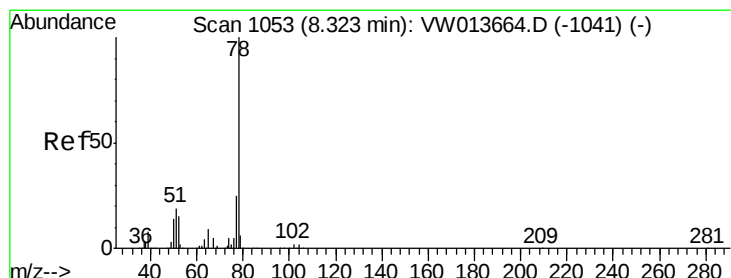
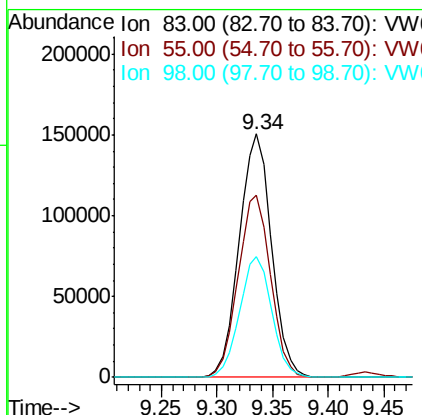
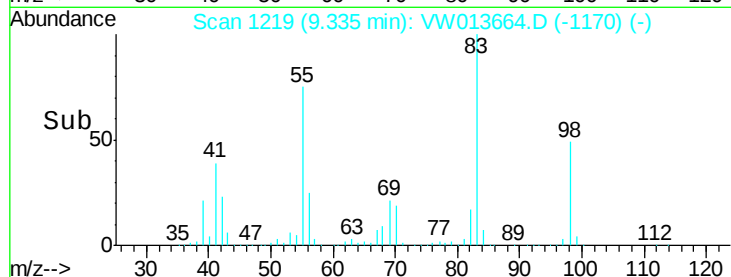
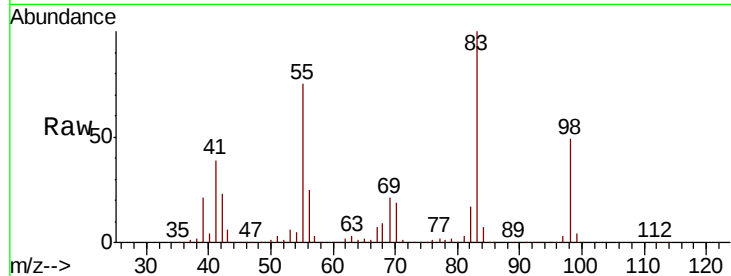
#39
Methvlcvclohexane
Concen: 51.891 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:	83	Resp:	303012
Ion Ratio		Lower	Upper
83	100		
55	74.9	59.9	89.9
98	49.3	39.4	59.2

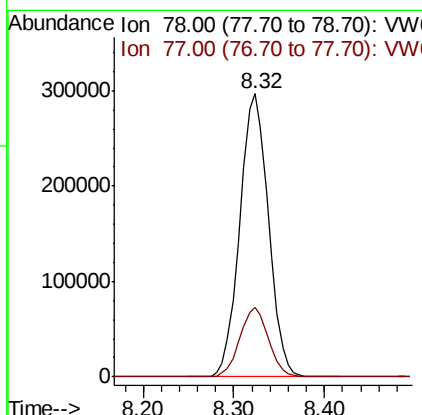
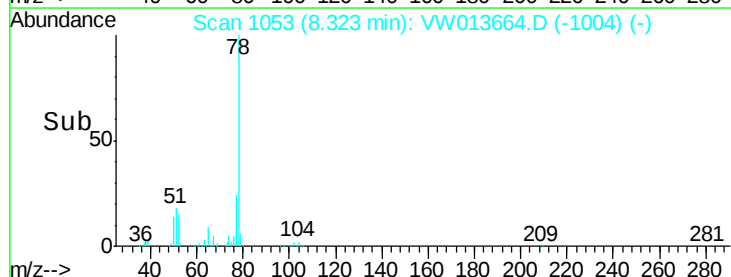
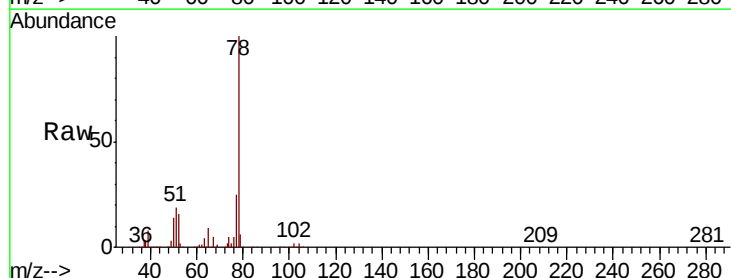
Manual Integrations
APPROVED

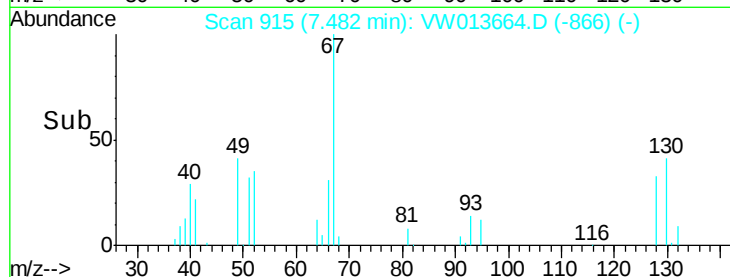
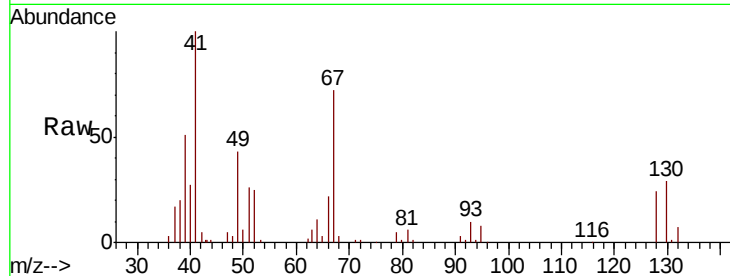
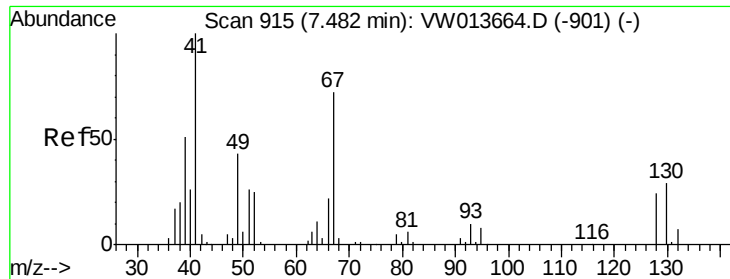
MMDadoda
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#40
Benzene
Concen: 51.536 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

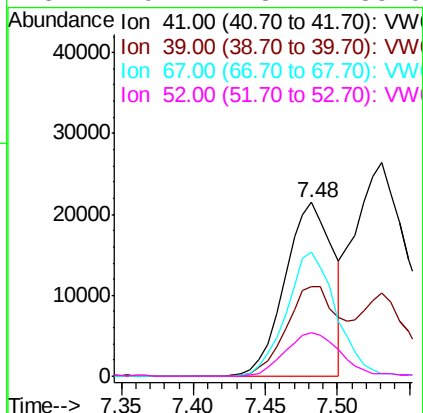
Tgt Ion:	78	Resp:	649436
Ion Ratio		Lower	Upper
78	100		
77	24.5	19.6	29.4





#41
Methacrylonitrile
Concen: 43.745 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

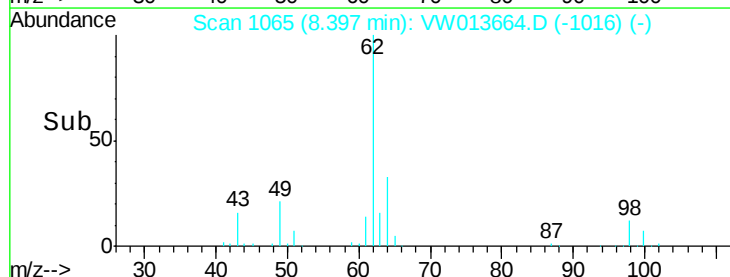
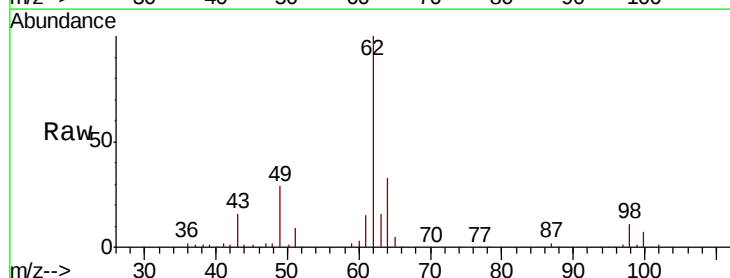
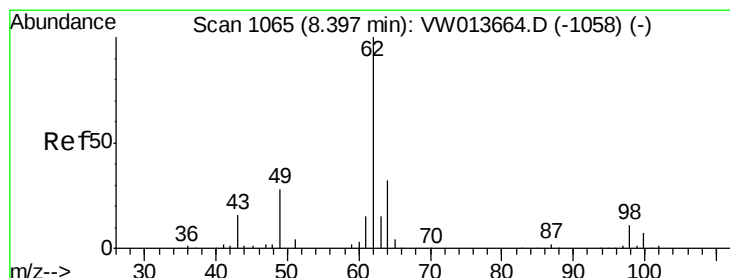
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	56.0	44.8	67.2
67	67	74.1	59.3	88.9
52	52	29.2	23.4	35.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

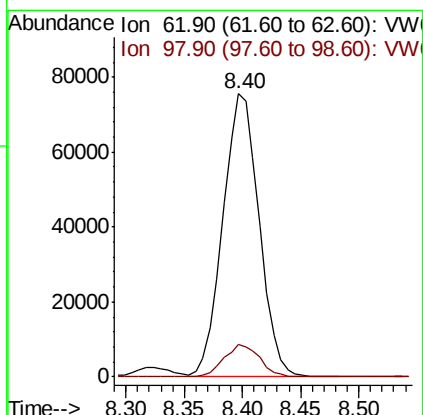
Manual Integrations
APPROVED

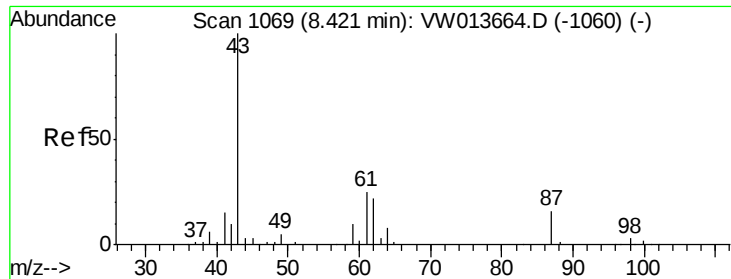
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10/24/2019 1:26:47 PM



#42
1,2-Dichloroethane
Concen: 51.221 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	11.2	0.0	22.4





#43

Isopropyl Acetate

Concen: 45.413 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

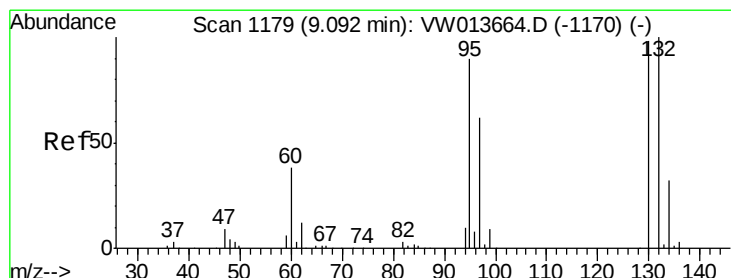
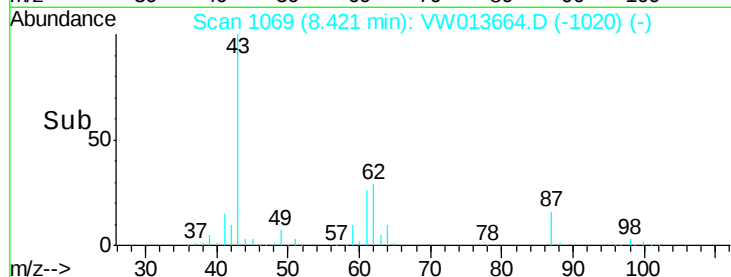
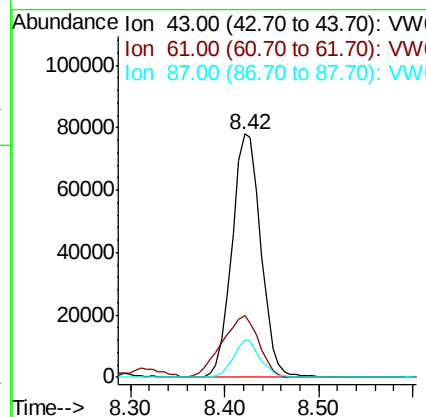
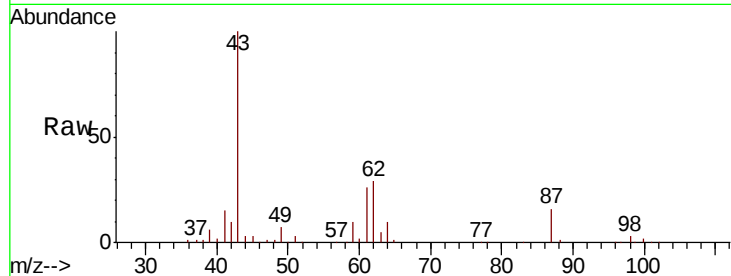
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	164954
Ion	Ratio	Lower	Upper
43	100		
61	32.6	26.1	39.1
87	14.2	11.4	17.0

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#44

Trichloroethene

Concen: 52.019 ug/l

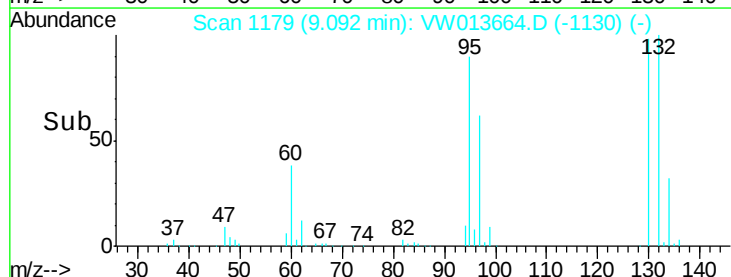
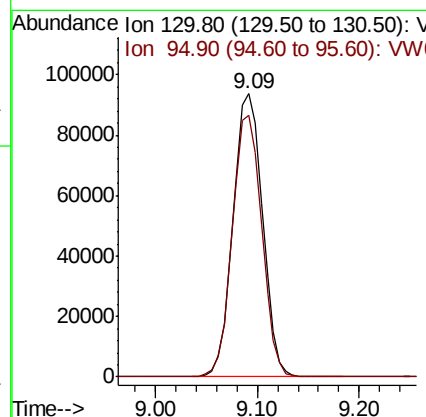
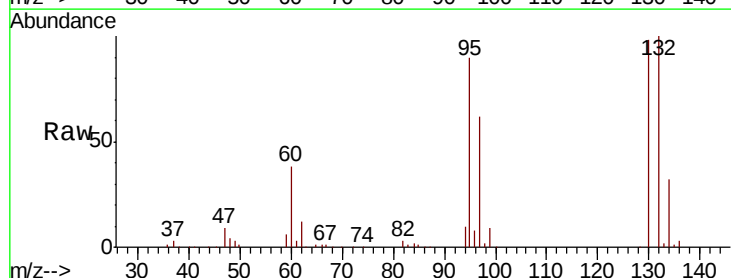
RT: 9.09 min Scan# 1179

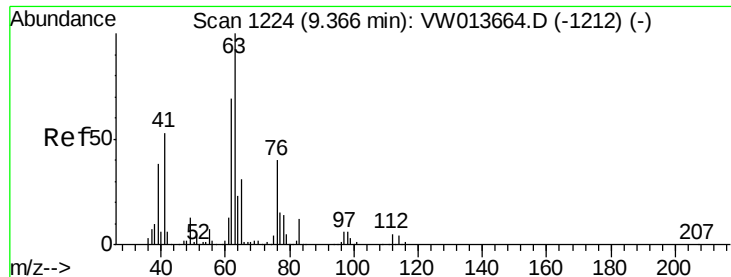
Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion:	130	Resp:	187057
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 51.584 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 156195

Ion Ratio Lower Upper

63 100

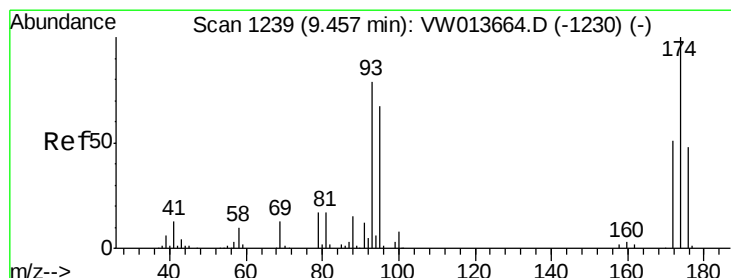
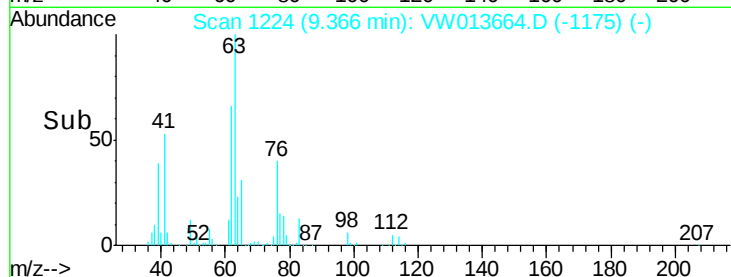
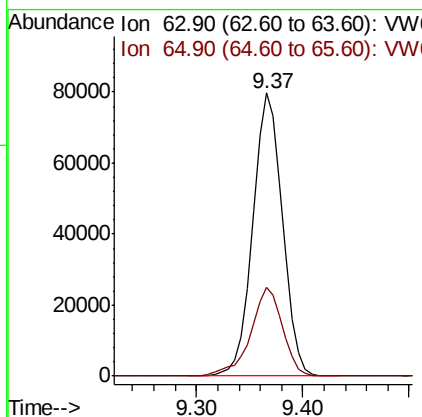
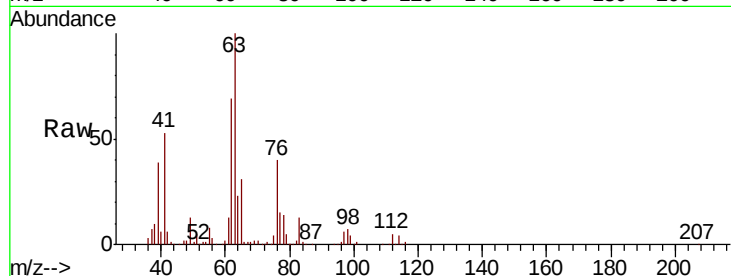
65 31.5 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 49.817 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

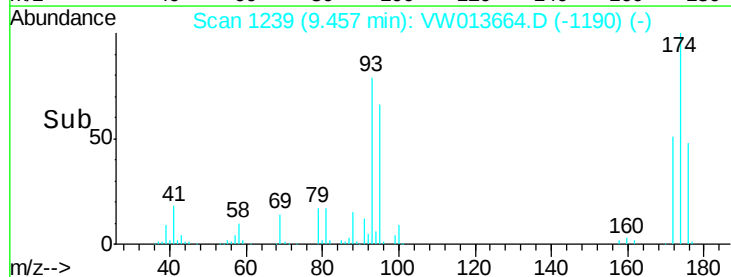
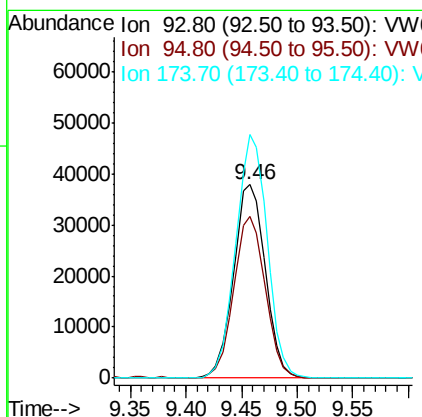
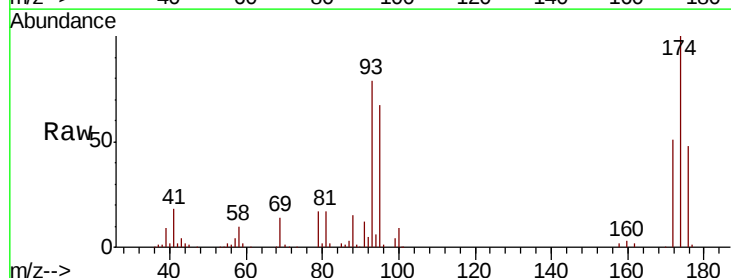
Tgt Ion: 93 Resp: 74904

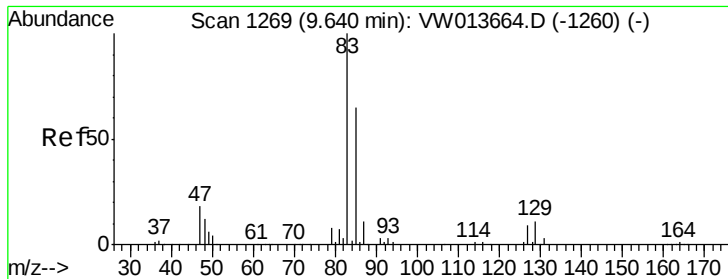
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 124.5 99.6 149.4





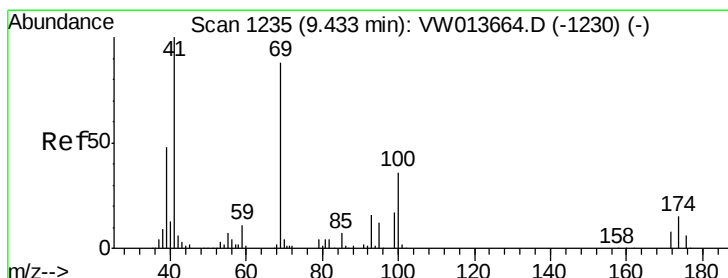
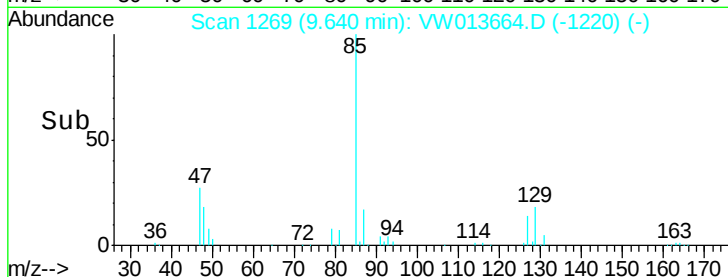
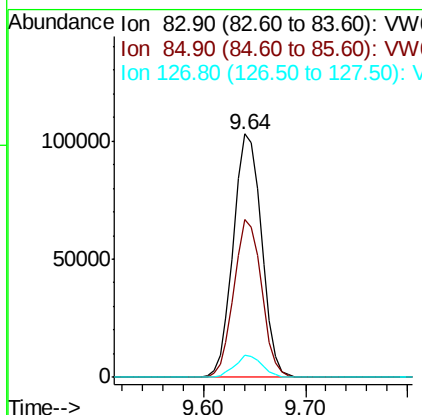
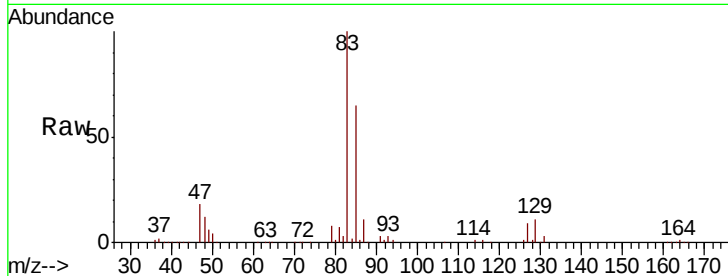
#47
Bromodichloromethane
Concen: 52.529 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197318		
85	64.7	51.8	77.6	
127	9.1	7.3	10.9	

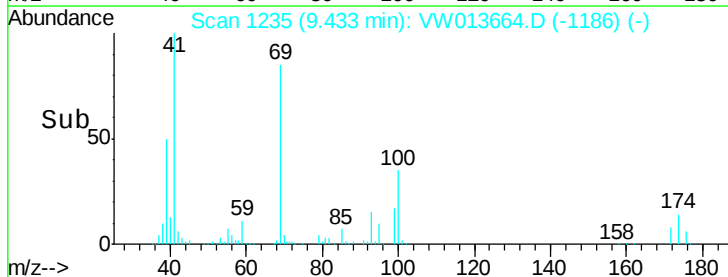
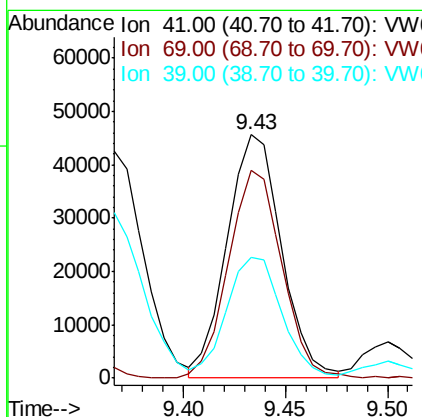
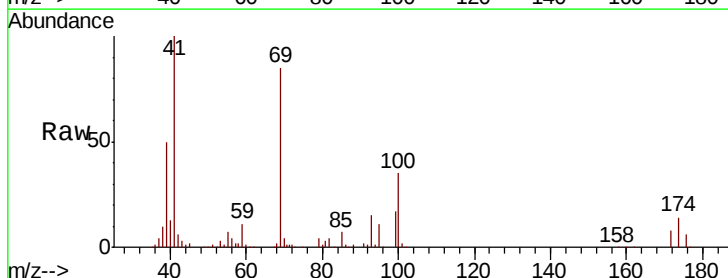
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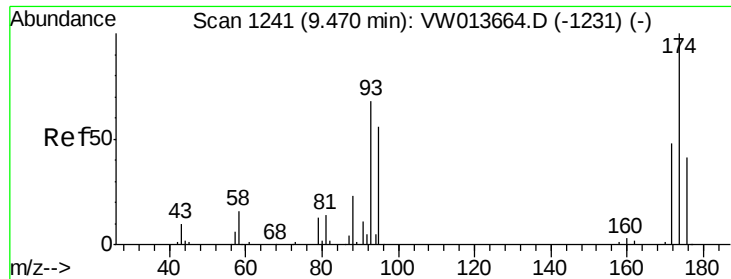
MMDadoda
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#48
Methyl methacrylate
Concen: 46.859 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84332		
69	84.5	67.6	101.4	
39	48.3	38.6	58.0	





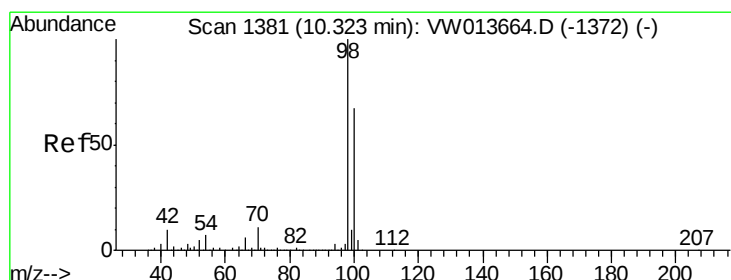
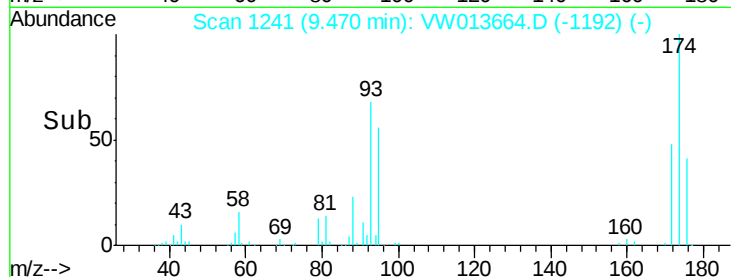
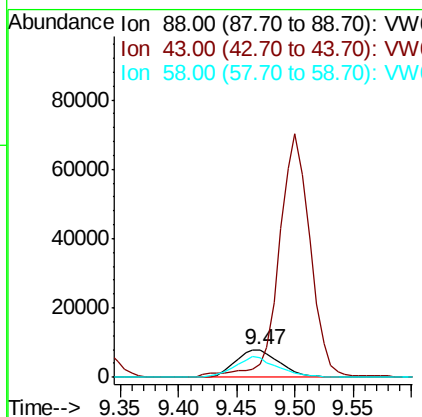
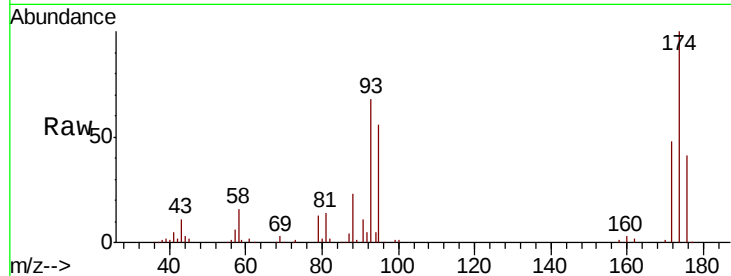
#49
1,4-Dioxane
Concen: 813.941 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.6	58.9	88.3

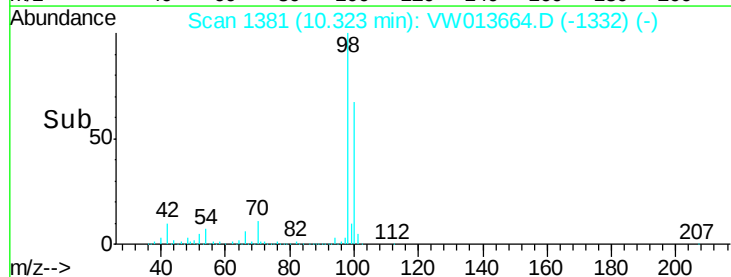
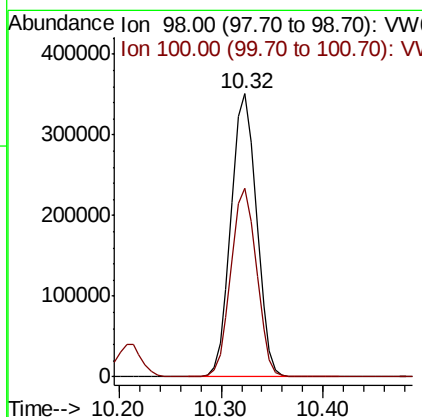
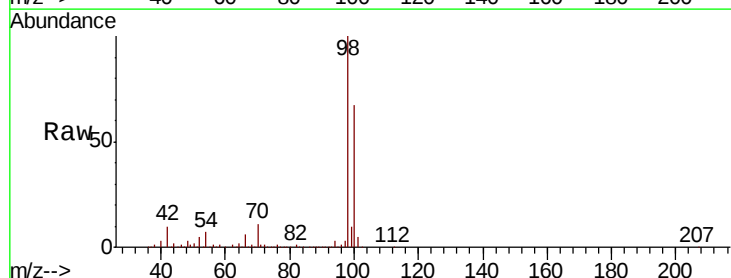
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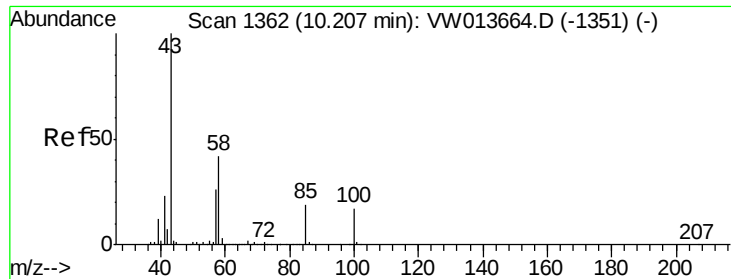
MMDadoda
10/24/2019 1:26:47 PM



#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 213.530 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 404865

Ion Ratio Lower Upper

43 100

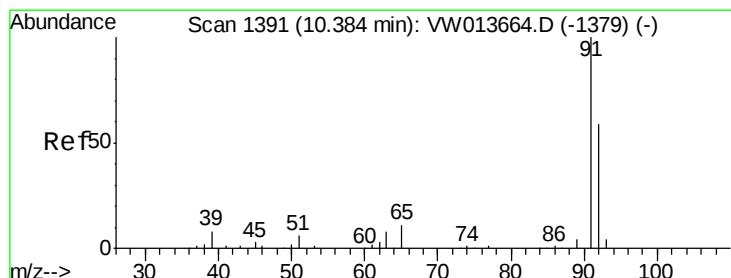
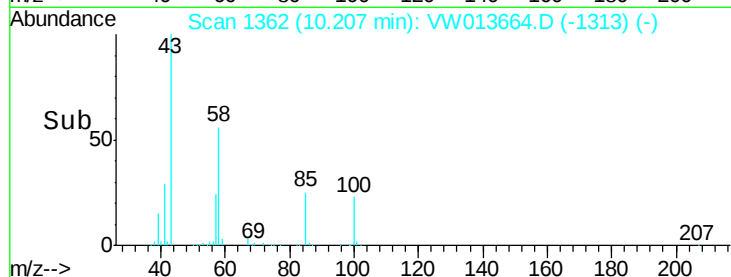
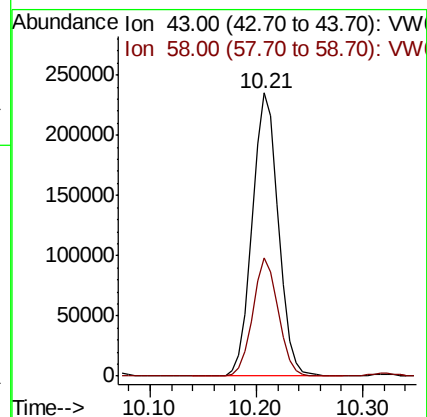
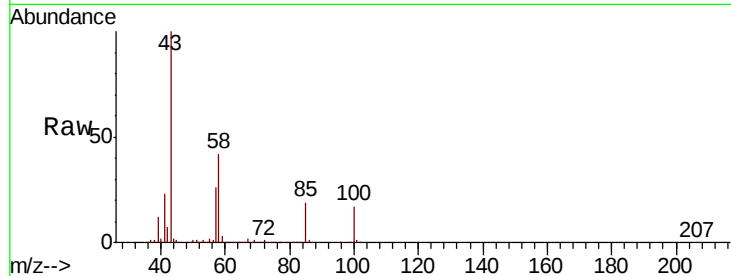
58 40.8 32.6 49.0

Manual Integrations

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#52

Toluene

Concen: 52.223 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013664.D

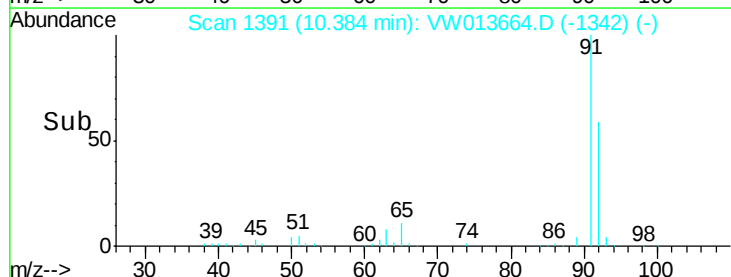
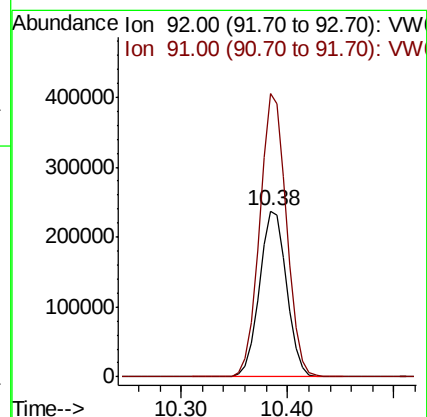
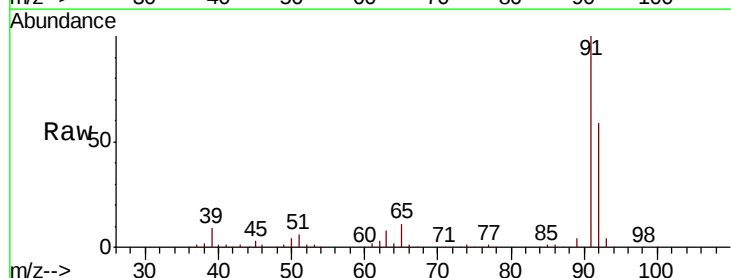
Acq: 23 Oct 2019 12:42

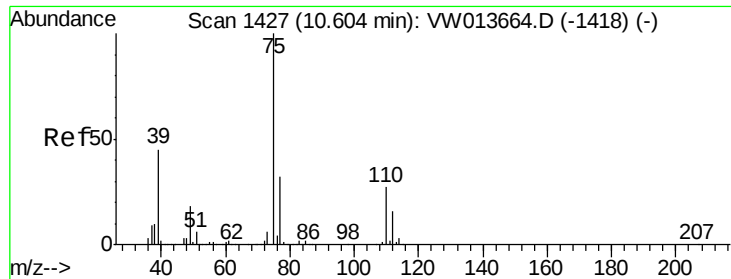
Tgt Ion: 92 Resp: 424096

Ion Ratio Lower Upper

92 100

91 168.1 134.5 201.7





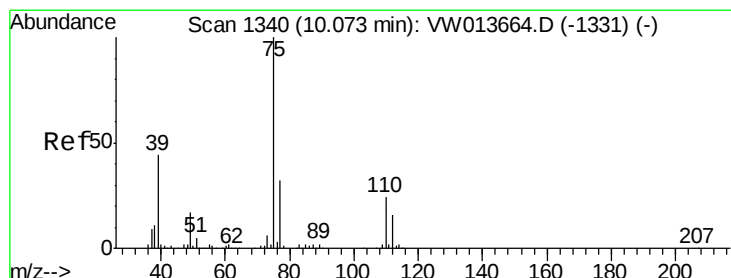
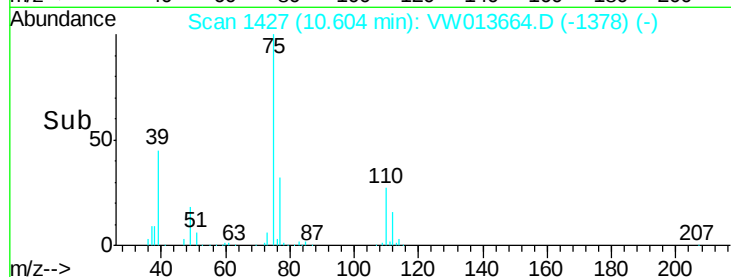
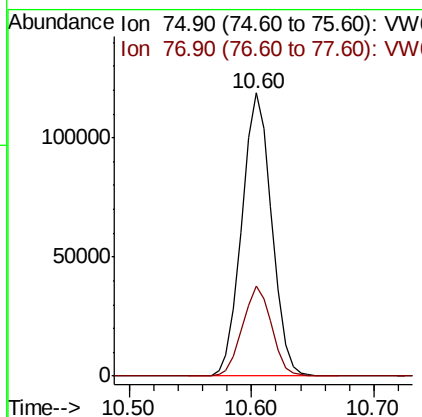
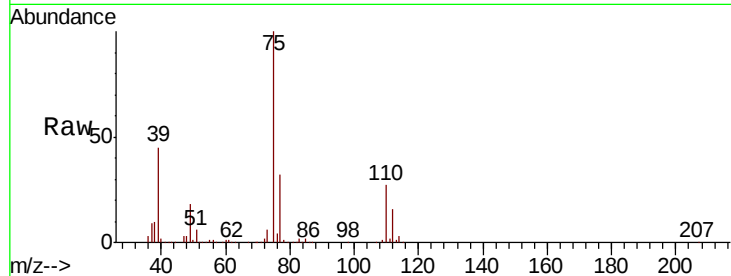
#53
 t-1,3-Dichloropropene
 Concen: 51.744 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion: 75 Resp: 201415
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3

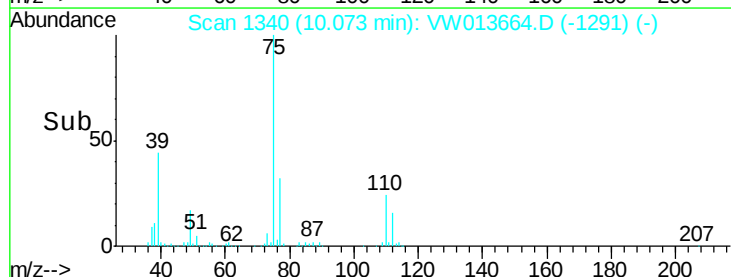
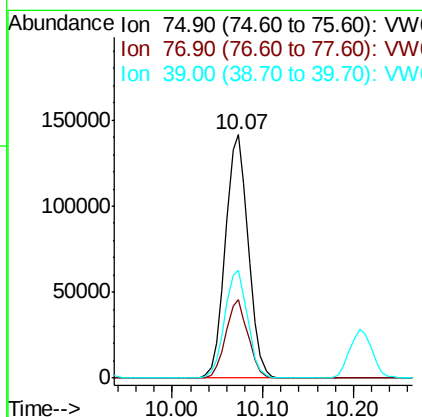
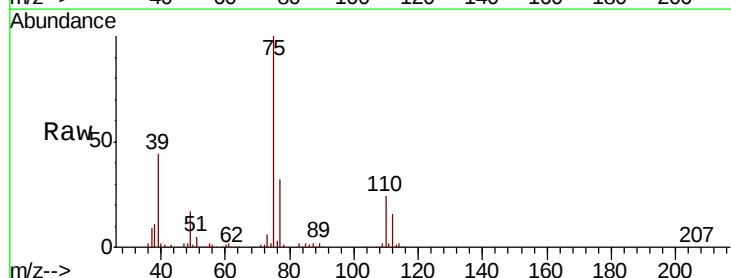
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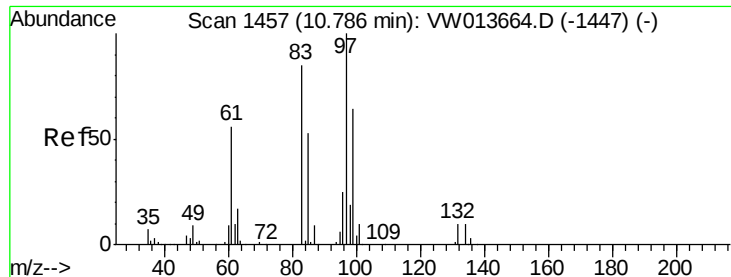
MMDadoda
 10/24/2019 1:26:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.425 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion: 75 Resp: 247979
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 44.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 48.685 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 109558

Ion Ratio Lower Upper

97 100

83 84.8 67.8 101.8

85 52.6 42.1 63.1

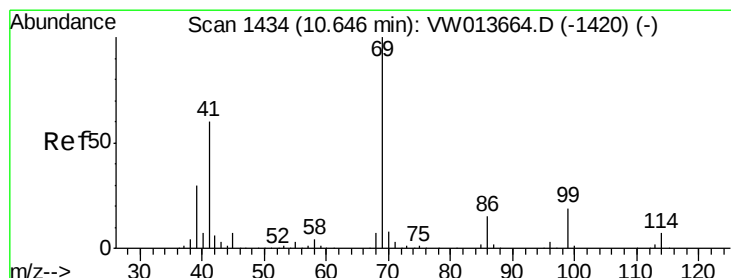
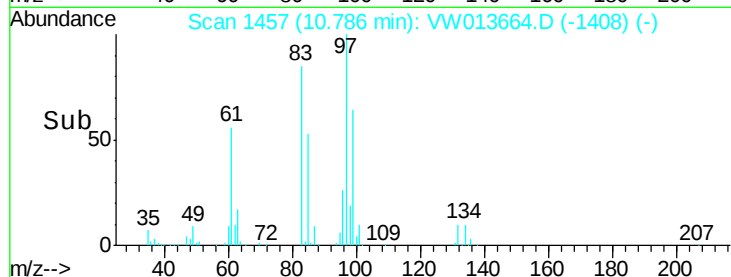
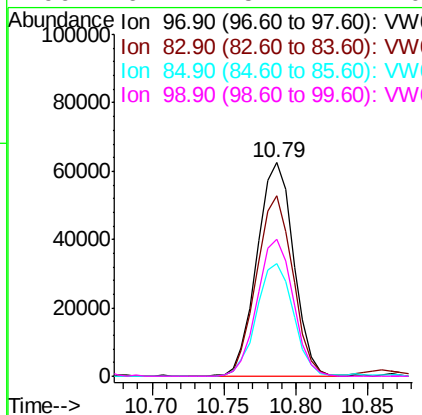
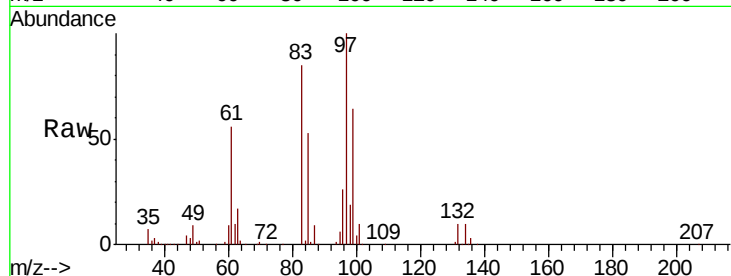
99 64.2 51.4 77.0

Manual Integrations

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#56

Ethyl methacrylate

Concen: 47.624 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

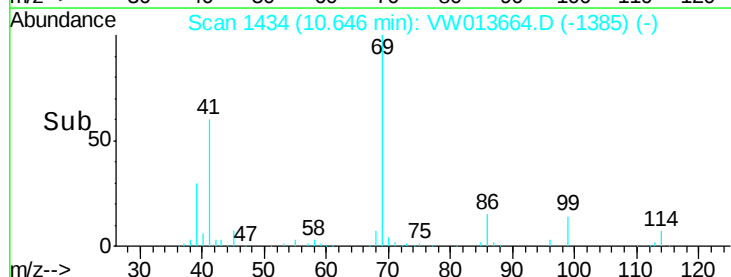
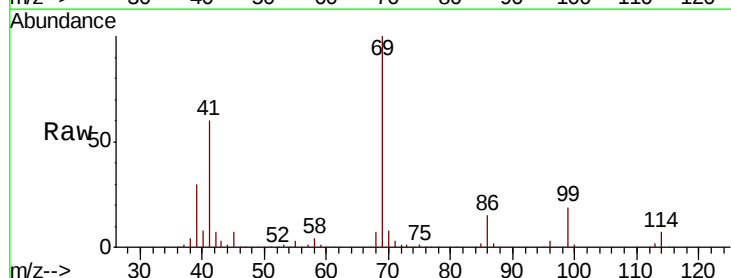
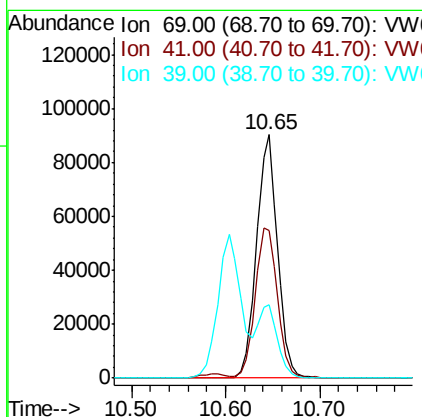
Tgt Ion: 69 Resp: 142521

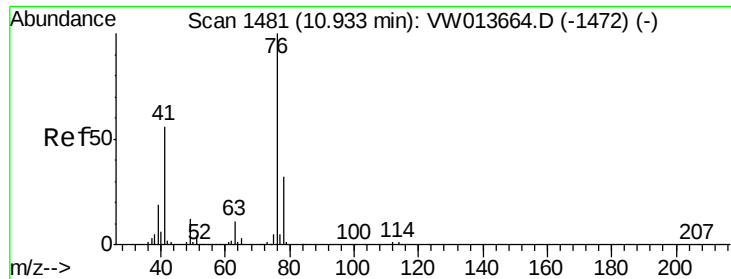
Ion Ratio Lower Upper

69 100

41 64.5 51.6 77.4

39 28.0 22.4 33.6





#57

1,3-Dichloropropane

Concen: 49.659 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 192150

Ion Ratio Lower Upper

76 100

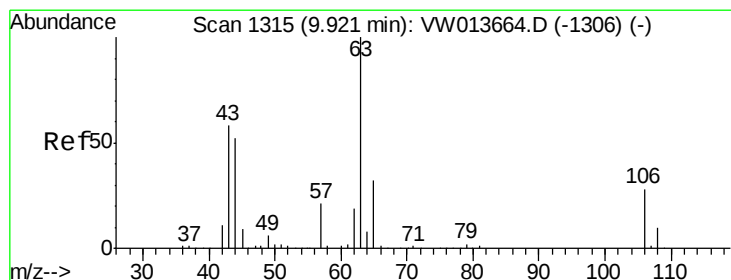
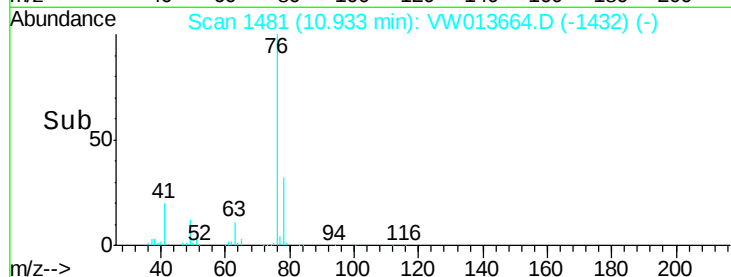
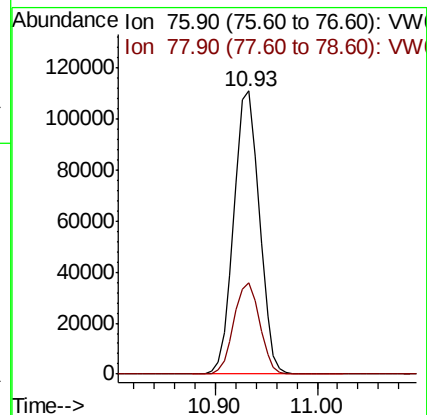
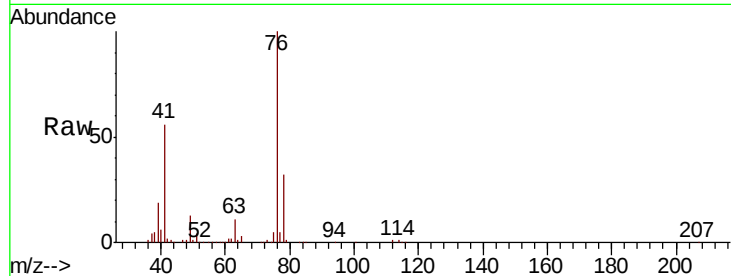
78 32.5 26.0 39.0

Manual Integrations

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10/24/2019 1:26:47 PM



#58

2-Chloroethyl Vinyl ether

Concen: 240.431 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013664.D

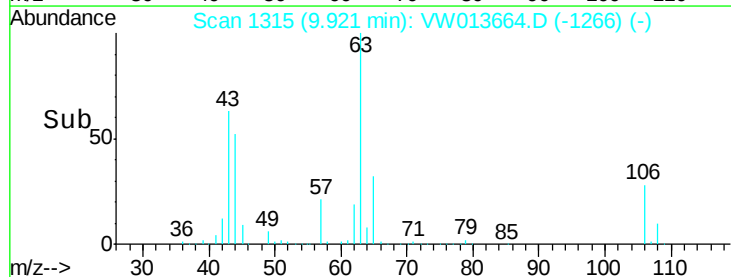
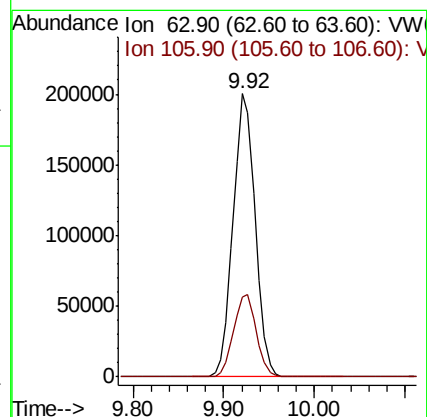
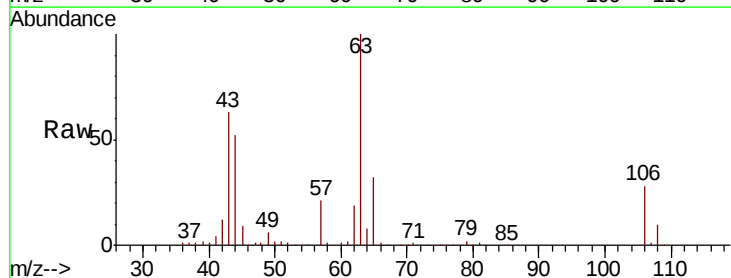
Acq: 23 Oct 2019 12:42

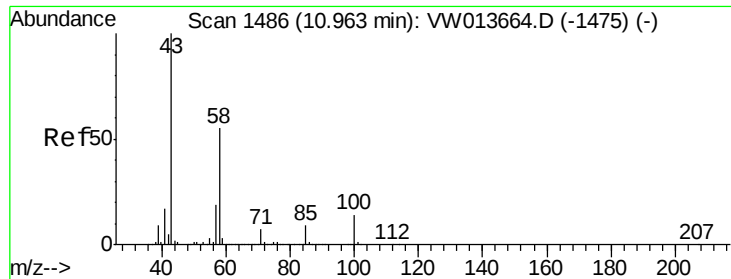
Tgt Ion: 63 Resp: 338327

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8





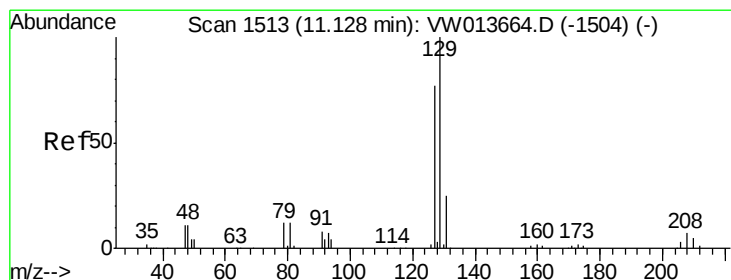
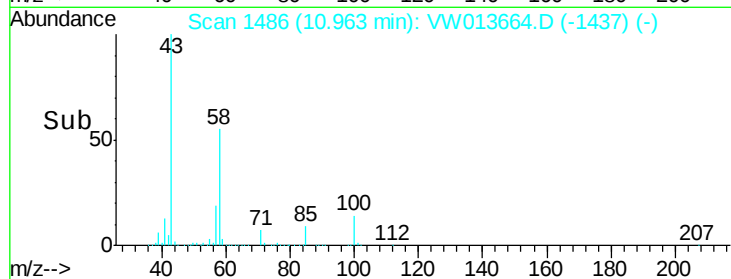
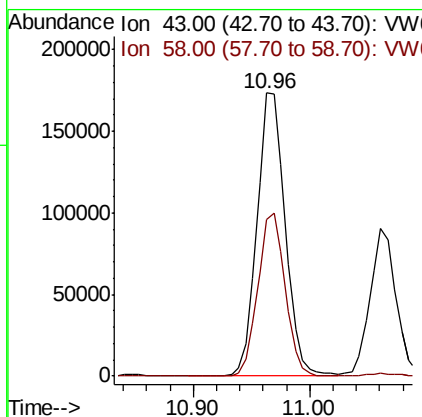
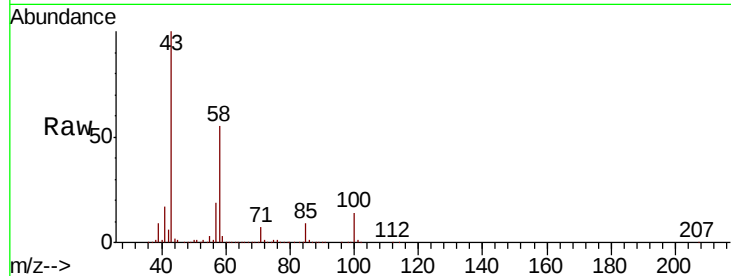
#59
2-Hexanone
Concen: 225.457 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 292435
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7

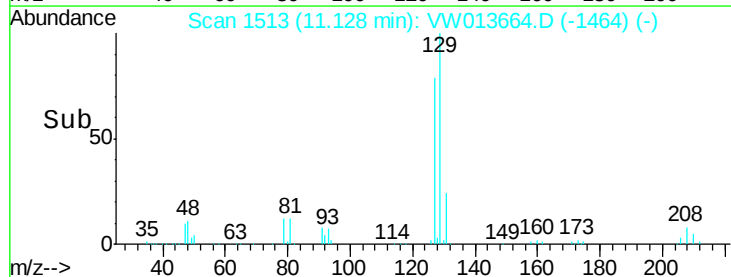
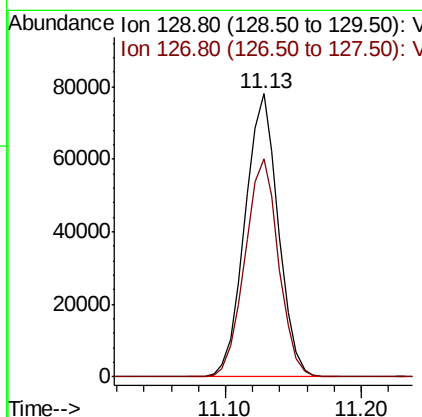
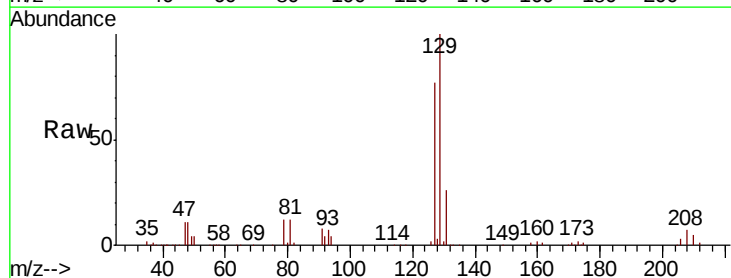
Manual Integrations
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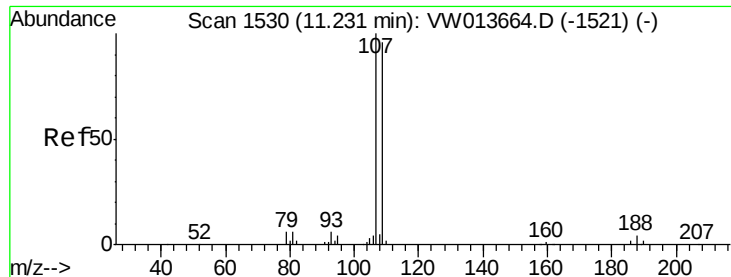
MMDadoda
10/24/2019 1:26:47 PM



#60
Dibromochloromethane
Concen: 51.583 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 129 Resp: 133598
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 48.755 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 104427

Ion Ratio Lower Upper

107 100

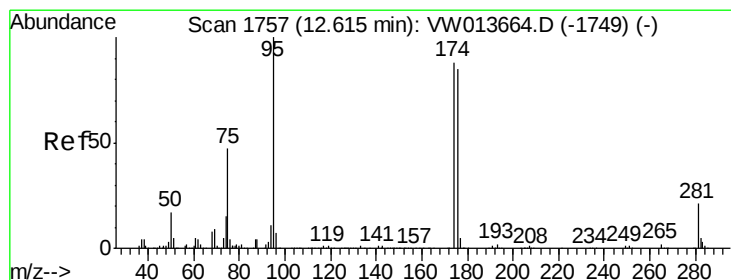
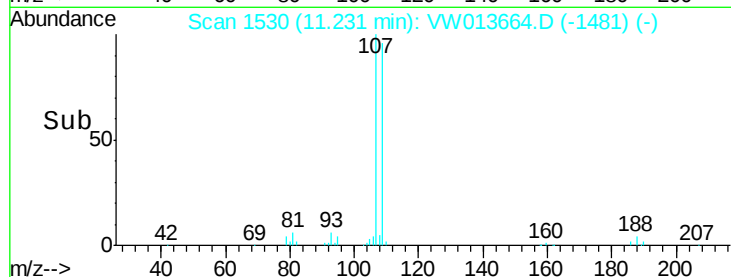
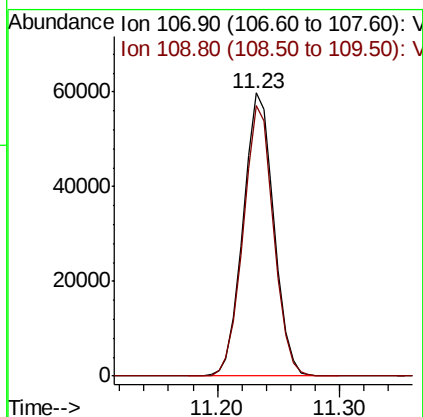
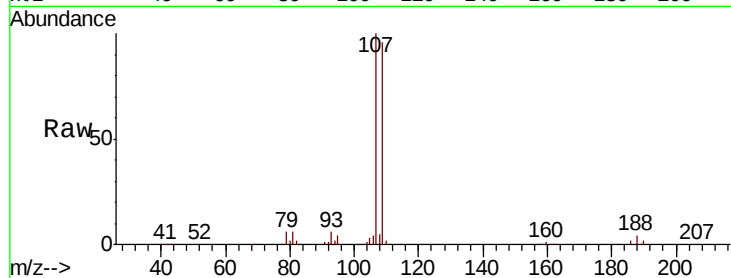
109 94.6 75.7 113.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.715 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

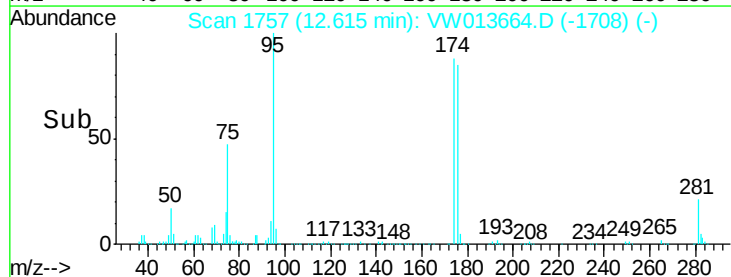
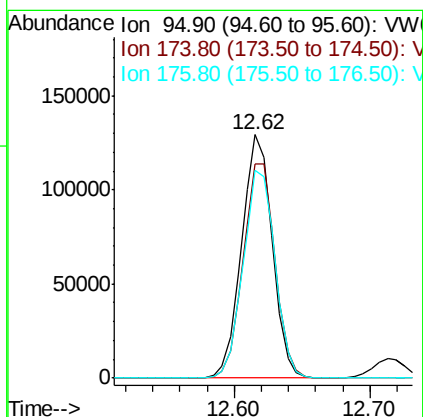
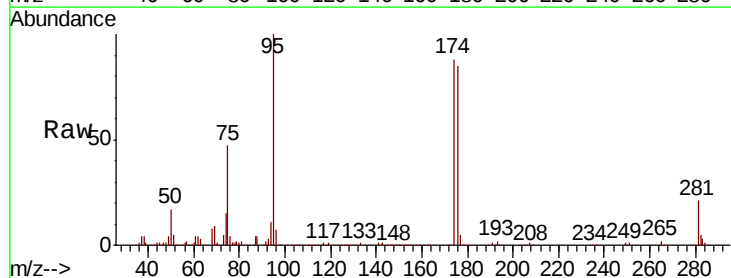
Tgt Ion: 95 Resp: 203687

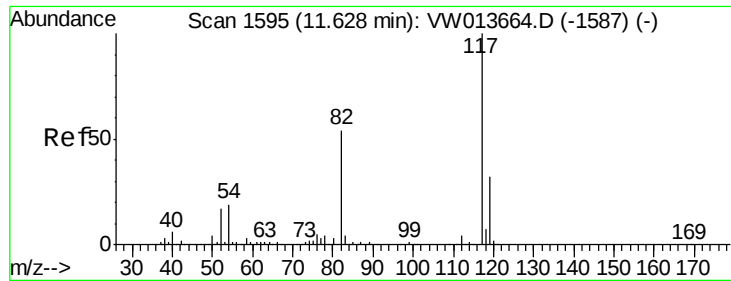
Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.6

176 89.0 0.0 178.0





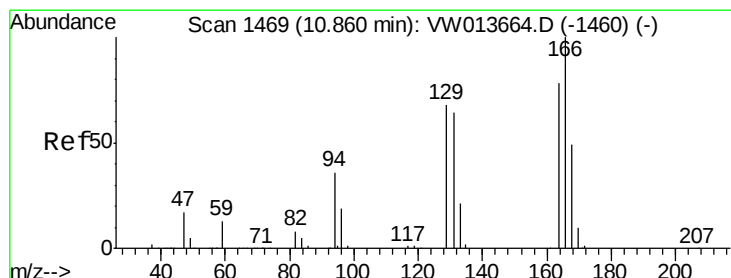
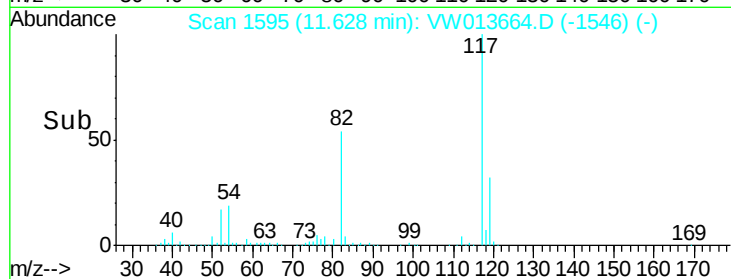
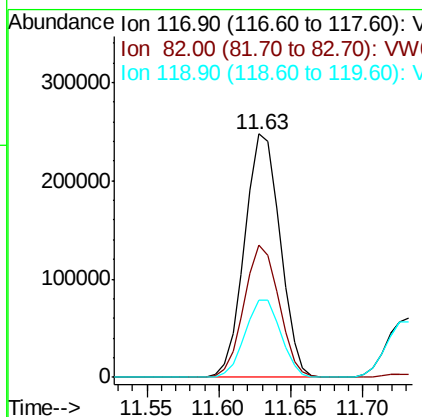
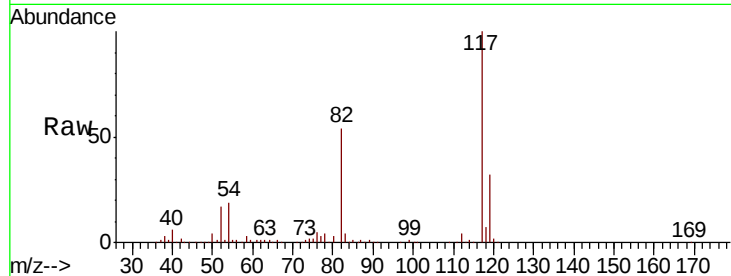
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.6	65.4
119	31.8	25.4	38.2

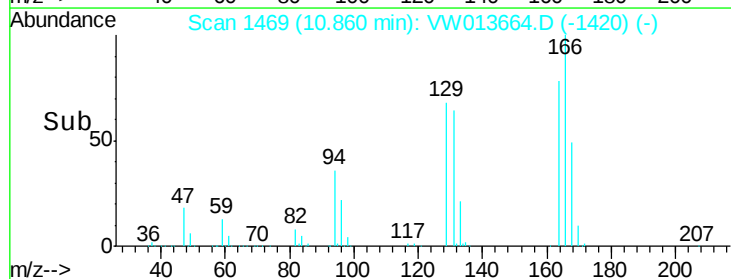
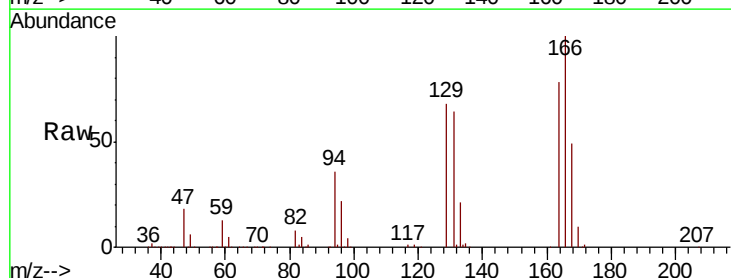
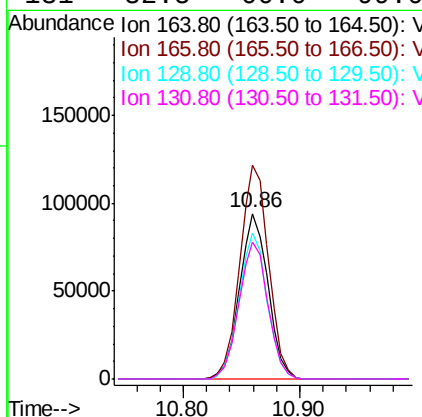
Manual Integrations
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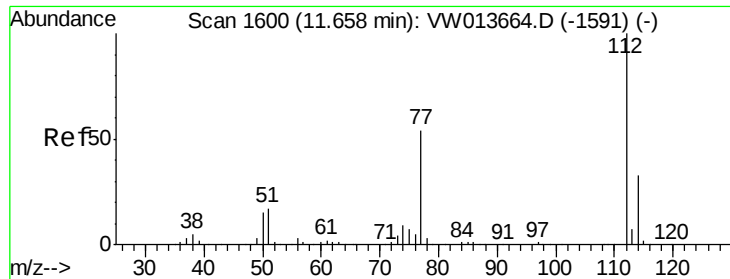
MMDadoda
10/24/2019 1:26:47 PM



#64
Tetrachloroethene
Concen: 51.109 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.2	154.8
129	88.2	70.6	105.8
131	82.5	66.0	99.0





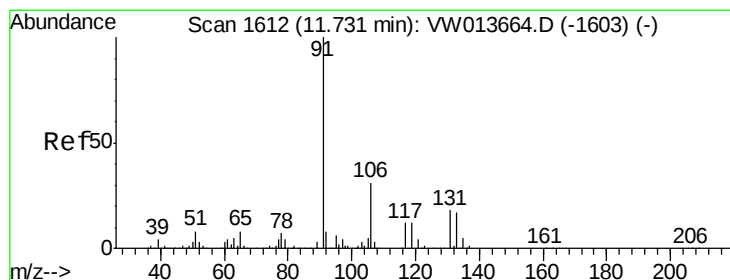
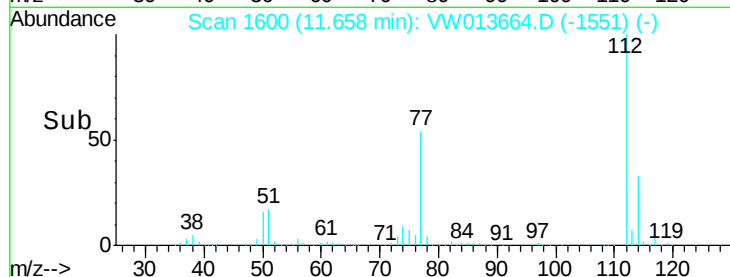
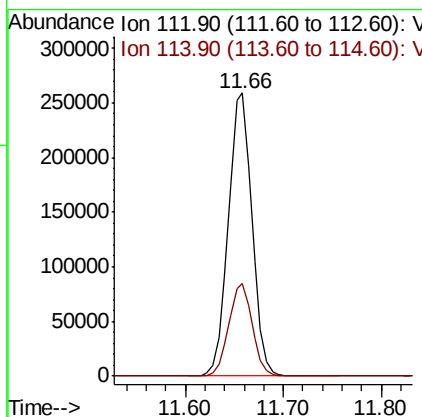
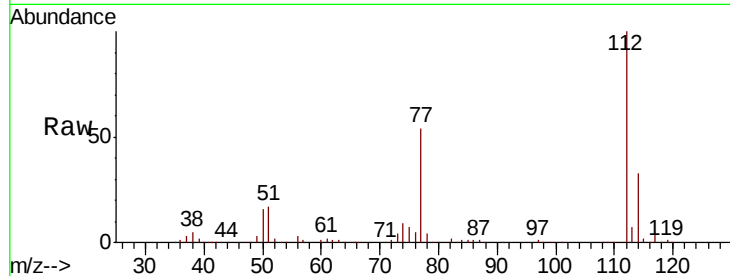
#65
Chlorobenzene
Concen: 51.295 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 432793
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

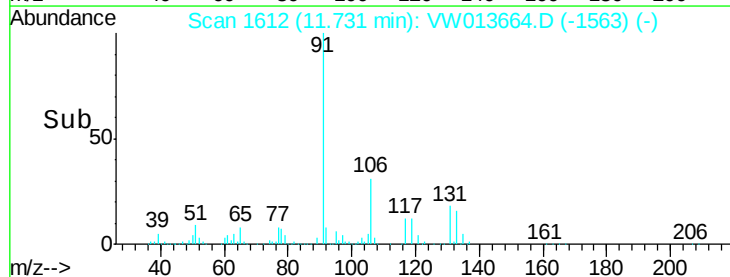
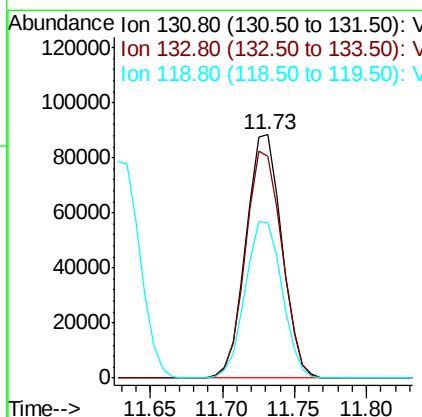
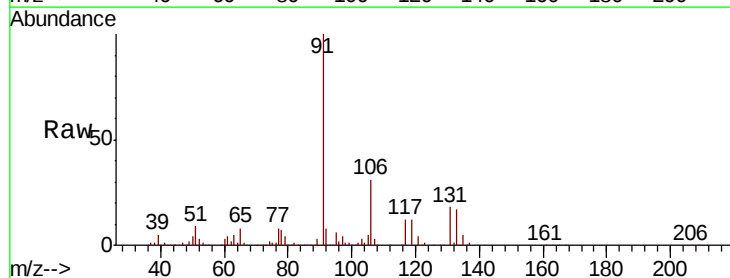
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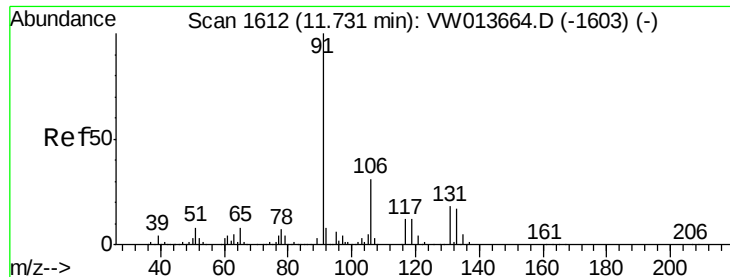
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.886 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:131 Resp: 152438
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.1 33.1 99.2





#67

Ethyl Benzene

Concen: 51.305 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 791984

Ion Ratio Lower Upper

91 100

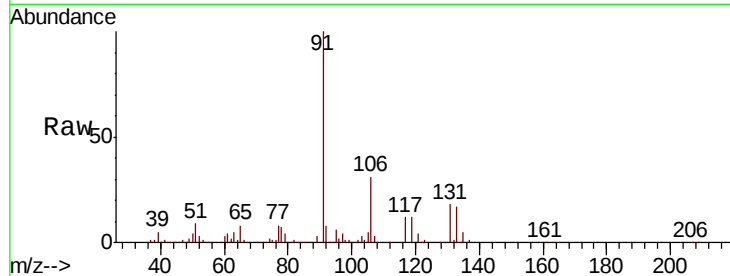
106 31.3 25.0 37.6

Manual Integrations

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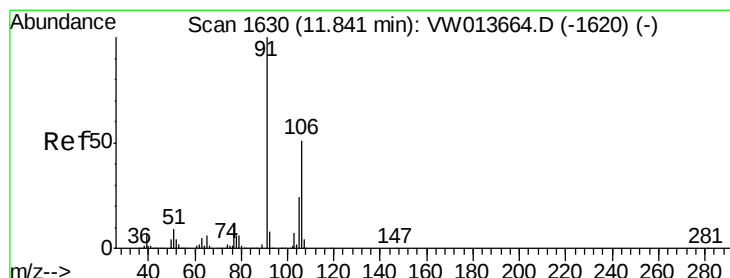
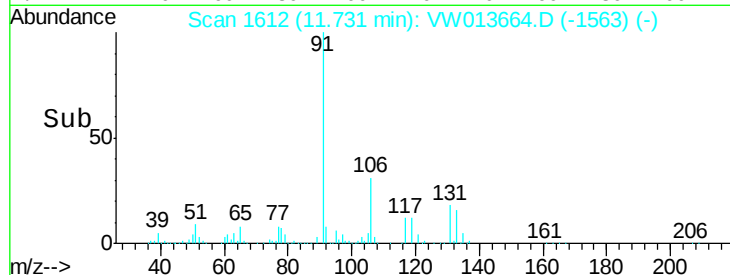
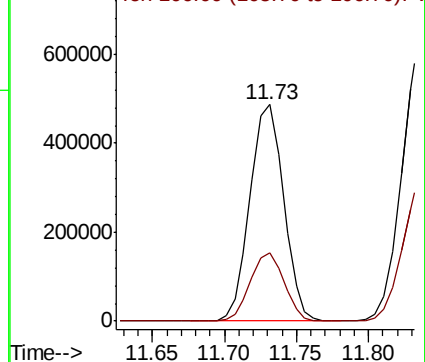
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.684 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013664.D

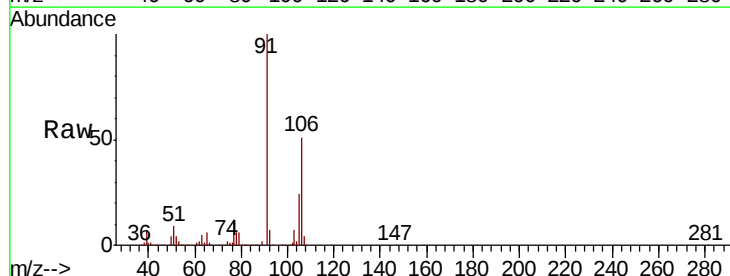
Acq: 23 Oct 2019 12:42

Tgt Ion: 106 Resp: 608863

Ion Ratio Lower Upper

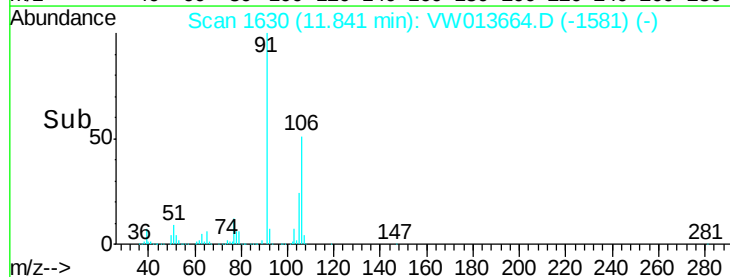
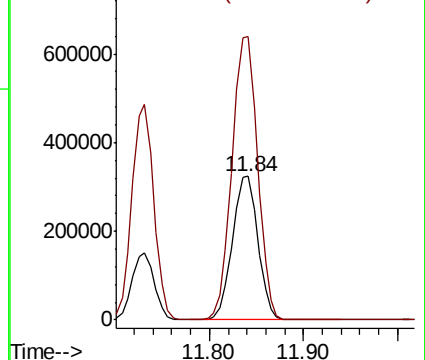
106 100

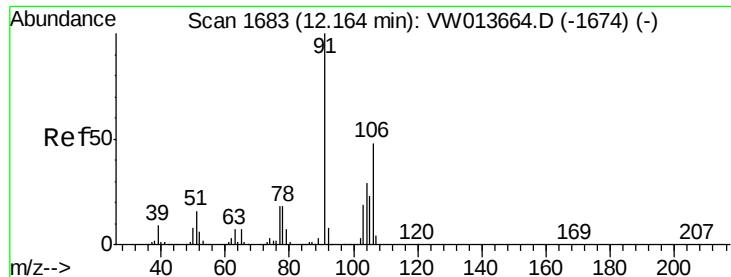
91 199.0 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





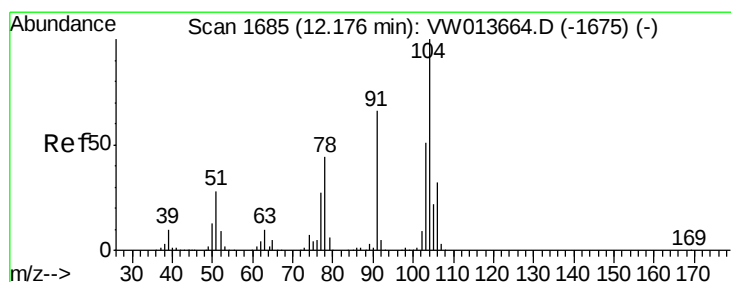
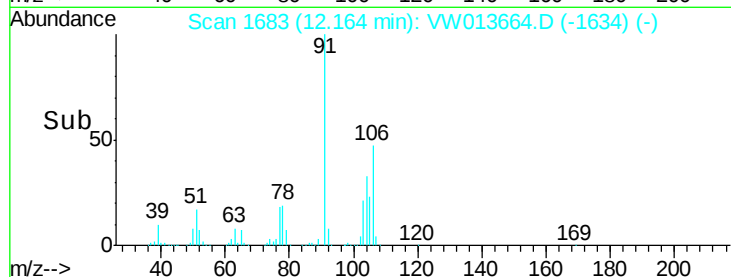
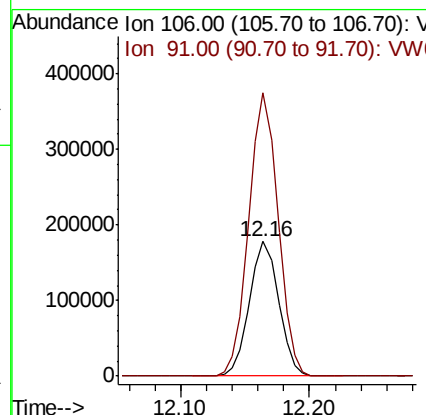
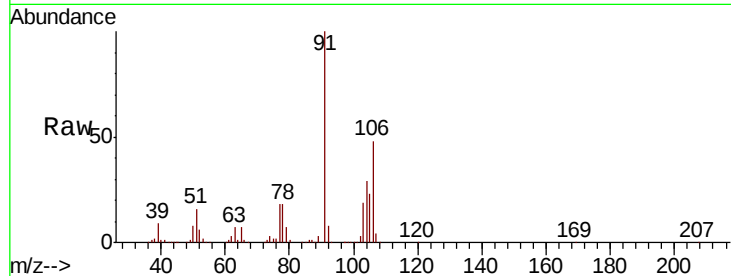
#69
o-Xylene
Concen: 51.599 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		280465		
91	209.8	104.9	314.7		

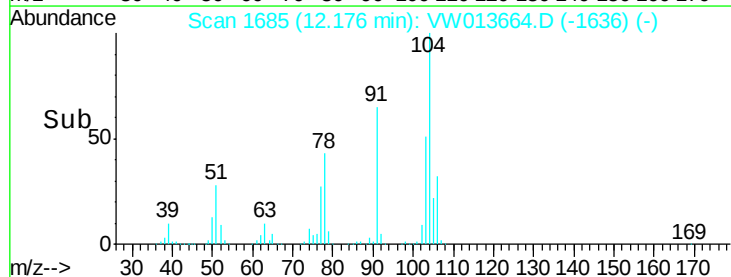
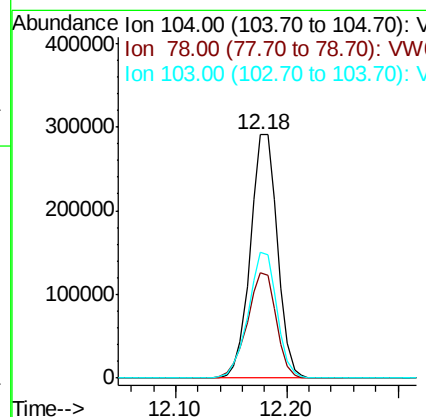
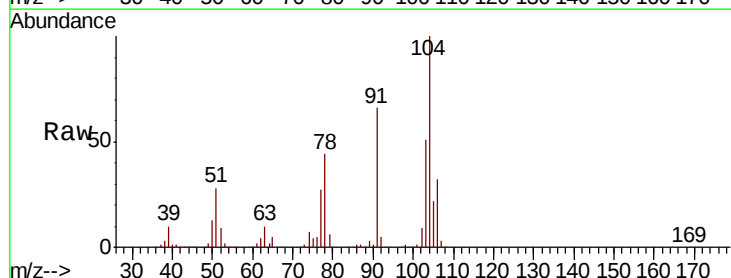
Manual Integrations
APPROVED

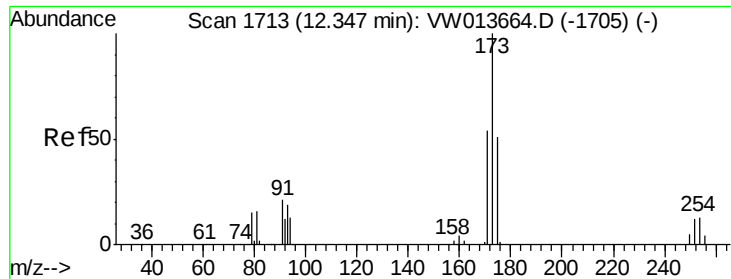
MMDadoda
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#70
Styrene
Concen: 52.673 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		491295		
78	46.4	37.1	55.7		
103	54.5	43.6	65.4		





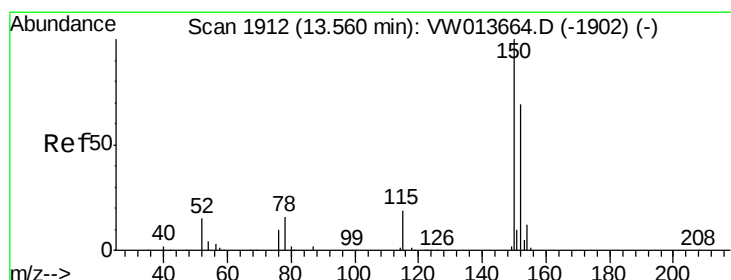
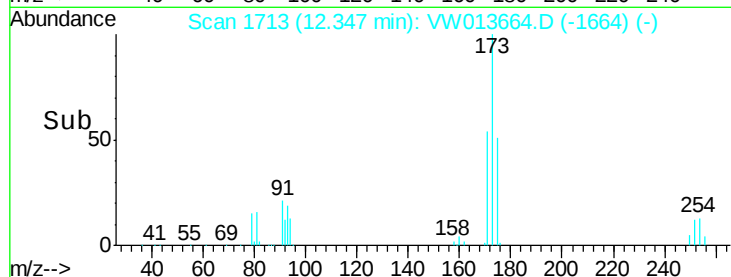
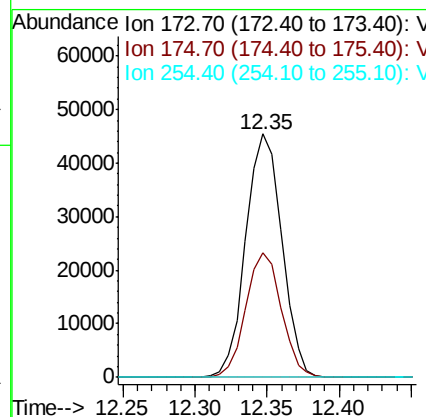
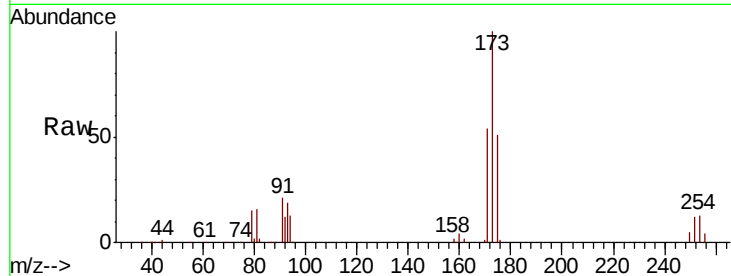
#71
Bromoform
Concen: 49.328 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.2	75.6
254	0.1	0.1	0.1

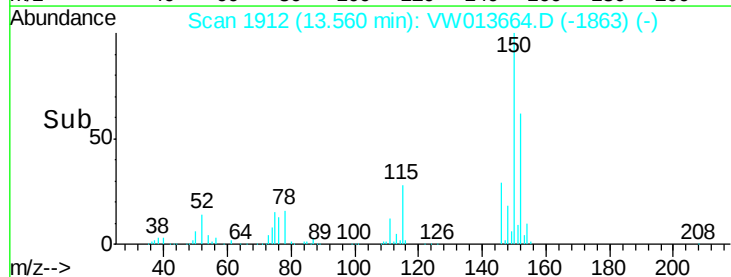
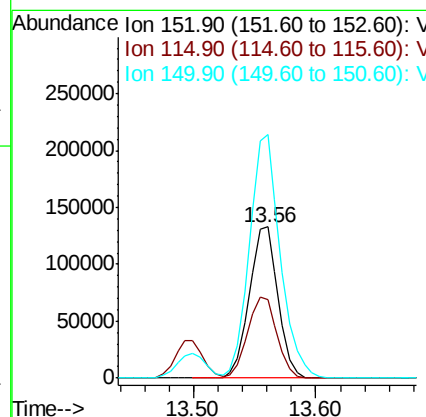
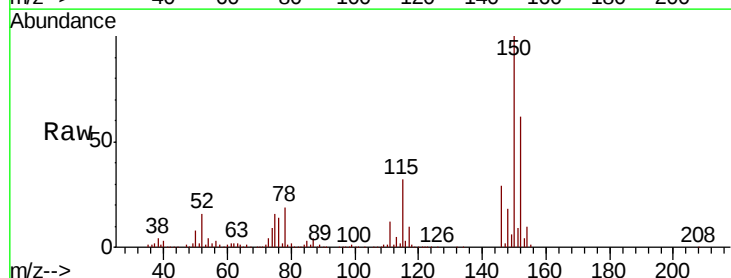
Manual Integrations
APPROVED

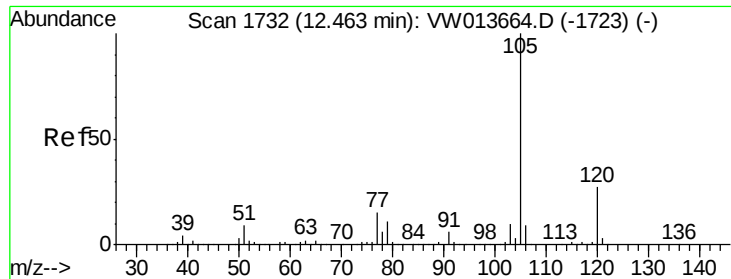
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.4	82.2
150	172.7	0.0	345.4





#73

Isopropylbenzene

Concen: 50.311 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 780849

Ion Ratio Lower Upper

105 100

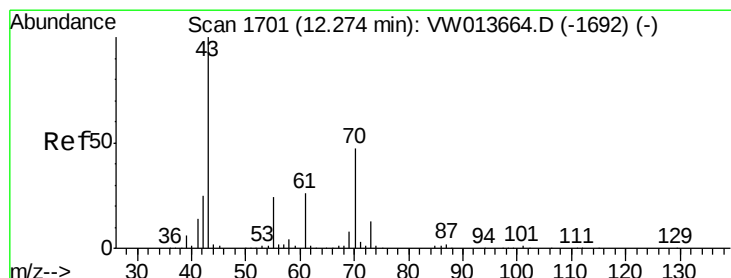
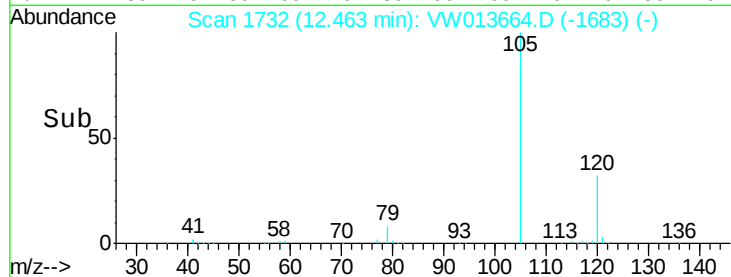
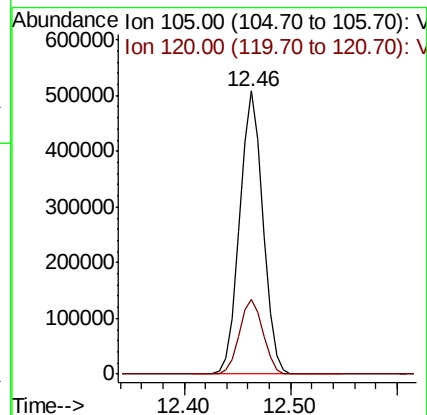
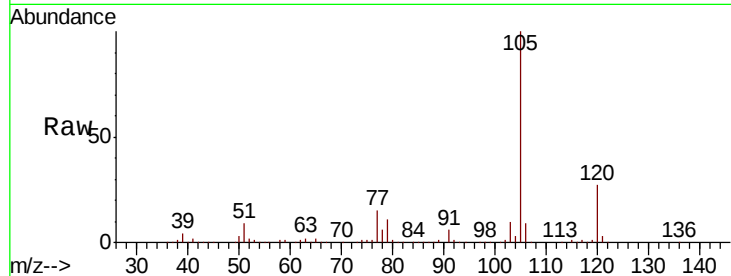
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 44.738 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 43 Resp: 149091

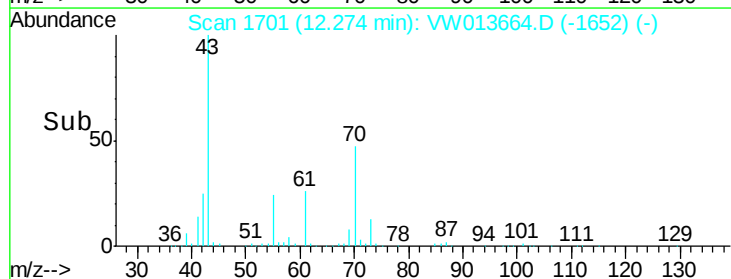
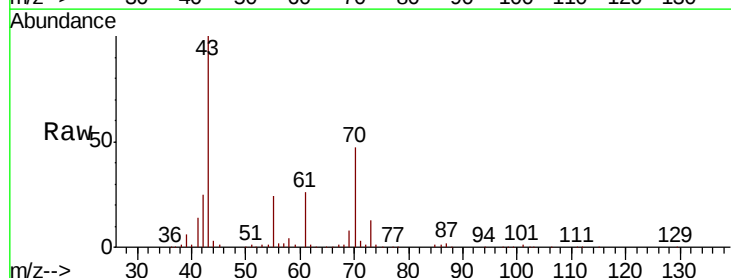
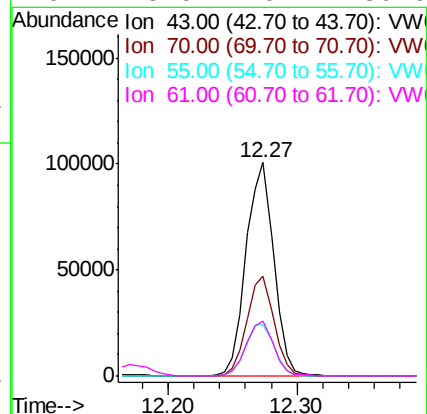
Ion Ratio Lower Upper

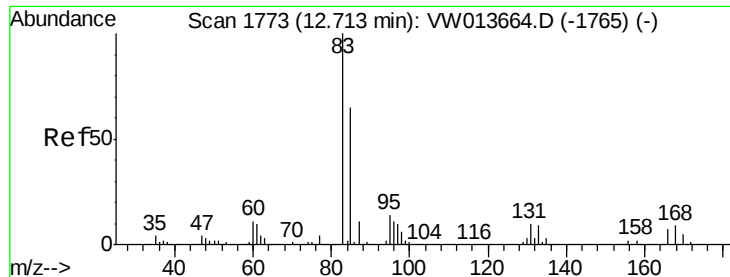
43 100

70 45.8 36.6 55.0

55 25.4 20.3 30.5

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.945 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

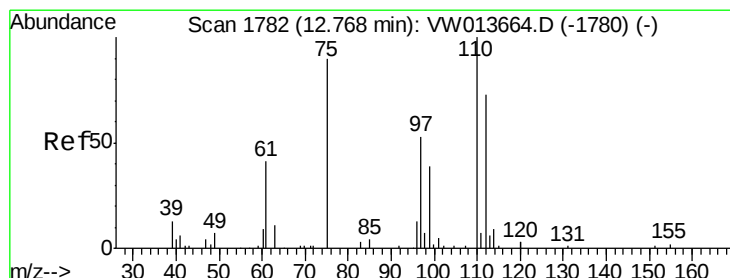
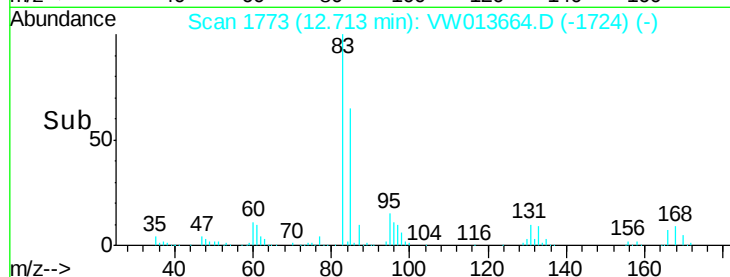
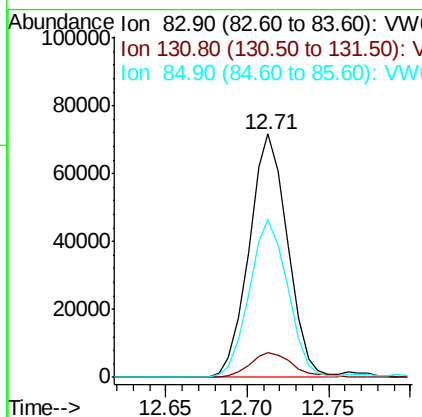
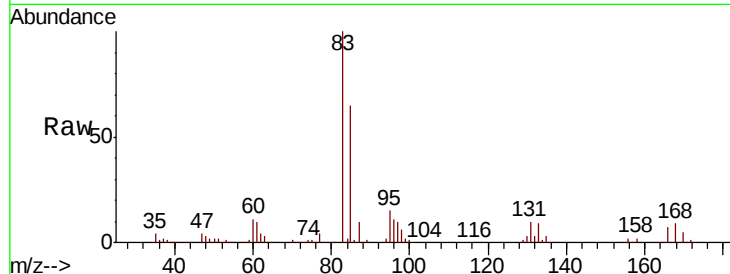
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	117481
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.9	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.317 ug/l m

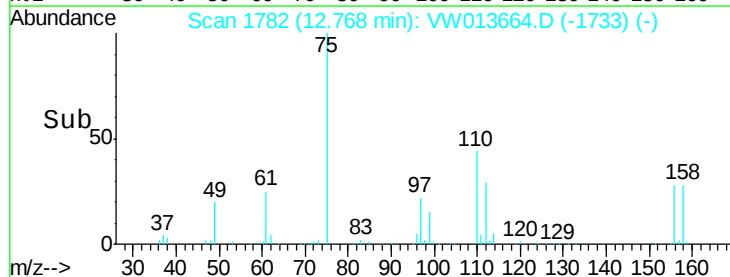
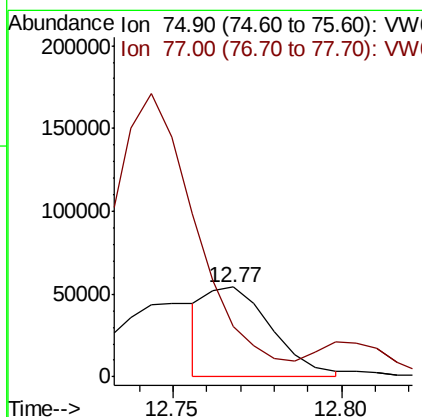
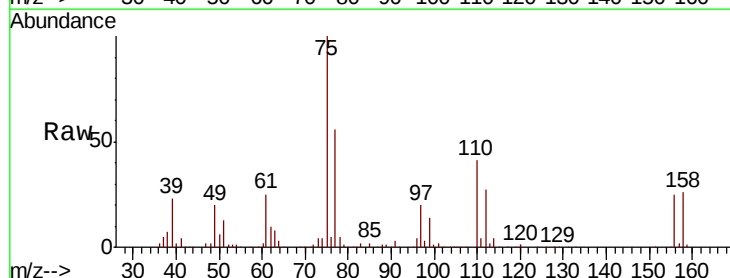
RT: 12.77 min Scan# 1782

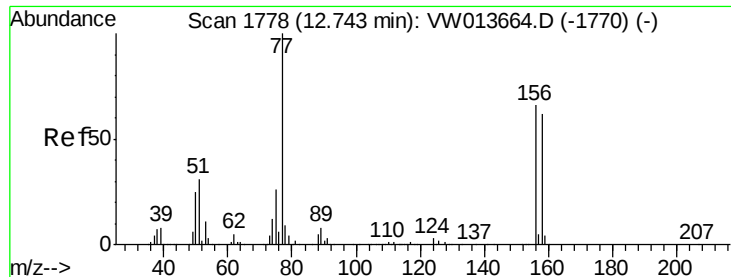
Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion:	75	Resp:	73402
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.072 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

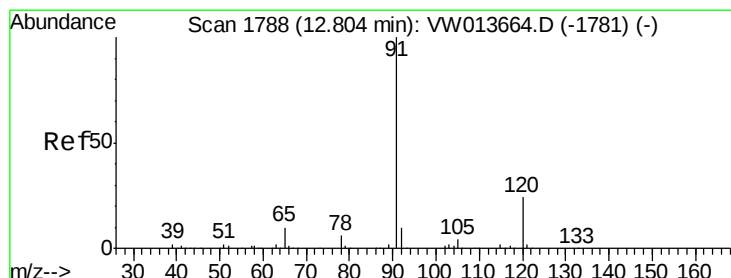
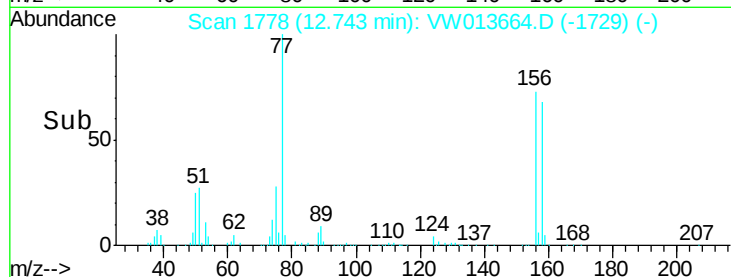
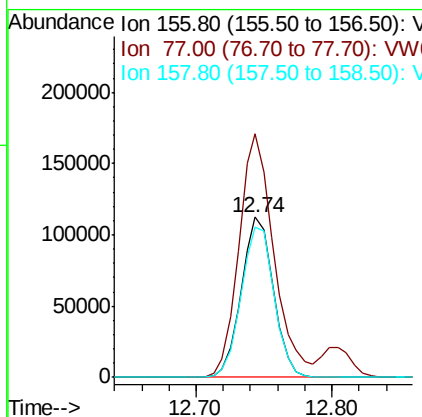
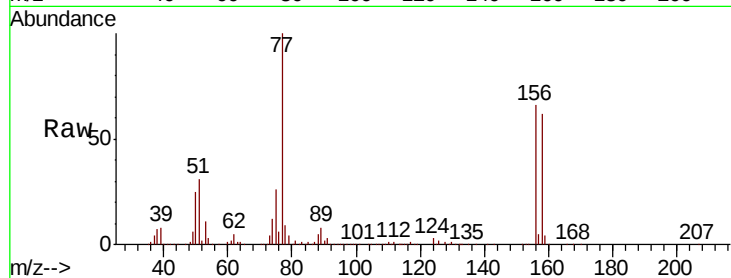
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	184800
Ion Ratio	Lower	Upper	
156	100		
77	165.8	82.9	248.7
158	96.8	48.4	145.2

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#78

n-propylbenzene

Concen: 50.496 ug/l

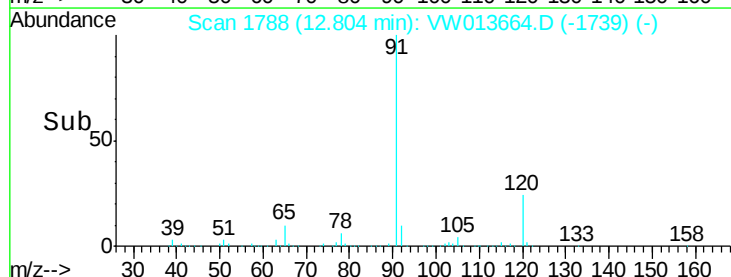
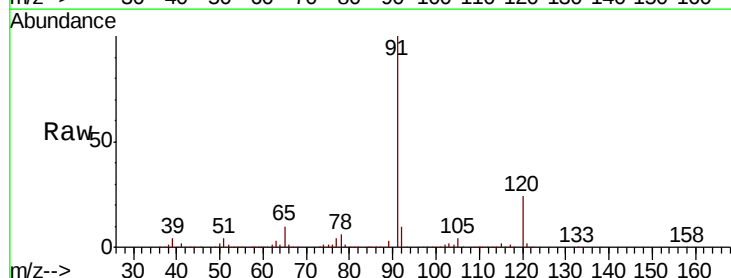
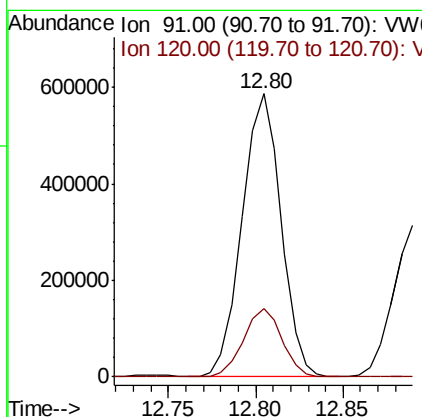
RT: 12.80 min Scan# 1788

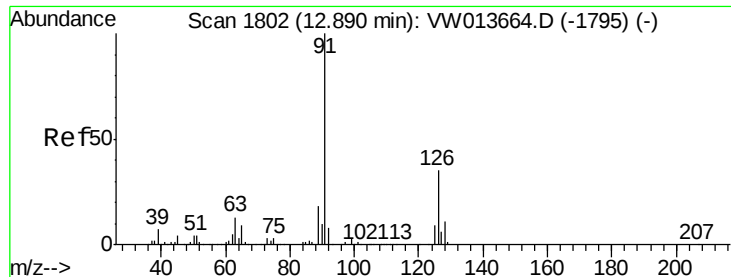
Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion:	91	Resp:	906649
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.248 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 506373

Ion Ratio Lower Upper

91 100

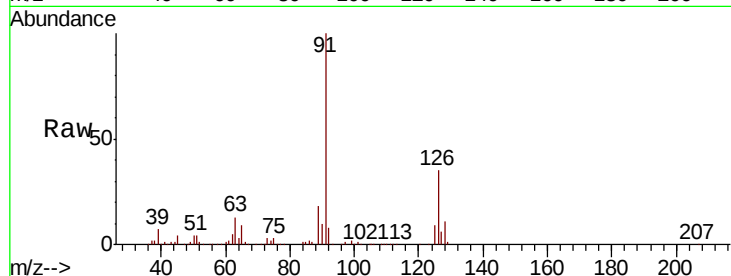
126 34.8 17.4 52.2

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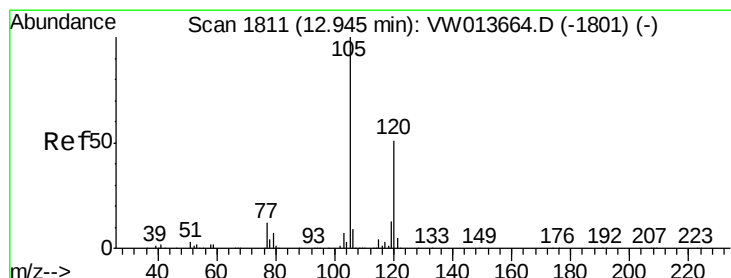
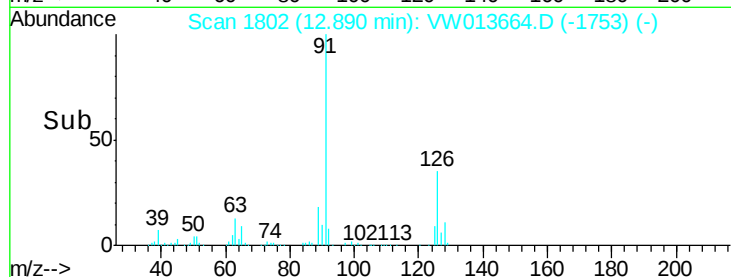
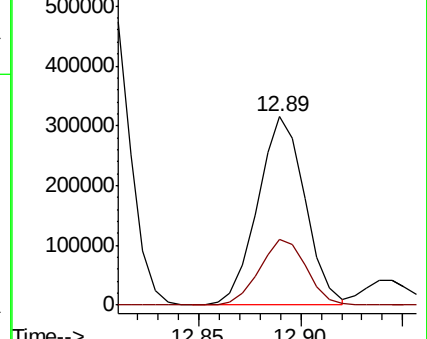
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.466 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013664.D

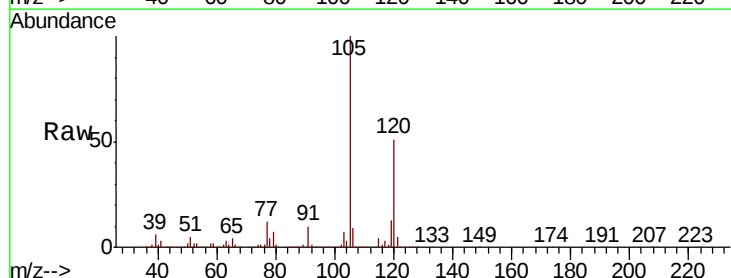
Acq: 23 Oct 2019 12:42

Tgt Ion: 105 Resp: 666918

Ion Ratio Lower Upper

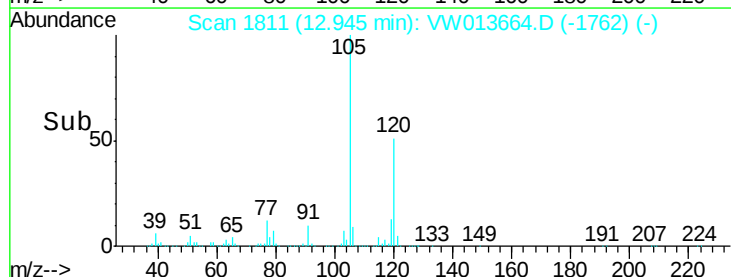
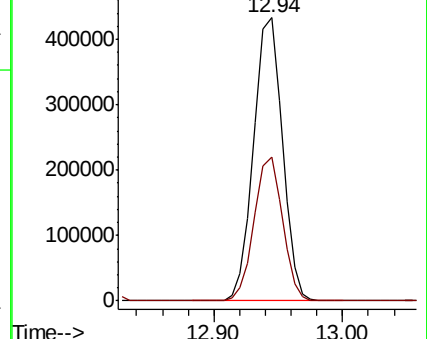
105 100

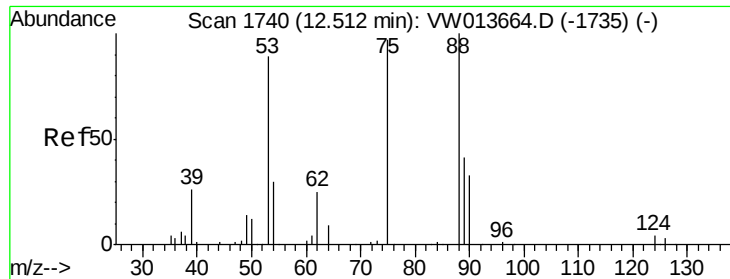
120 50.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





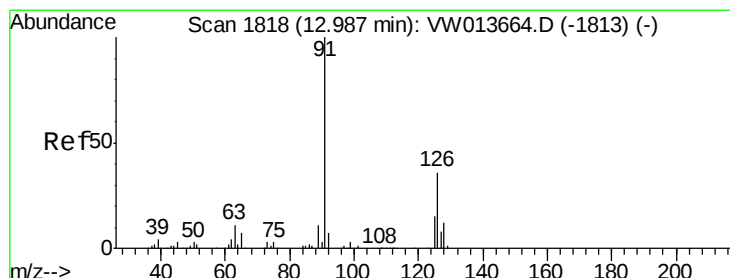
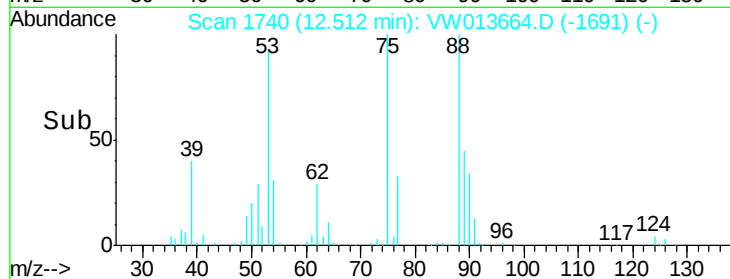
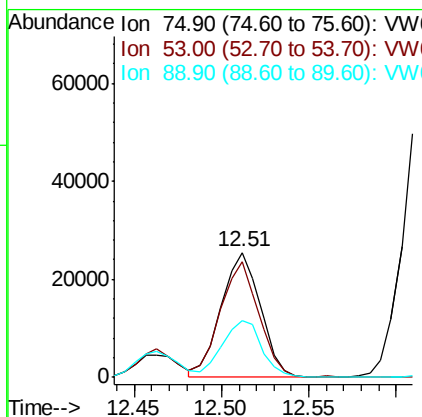
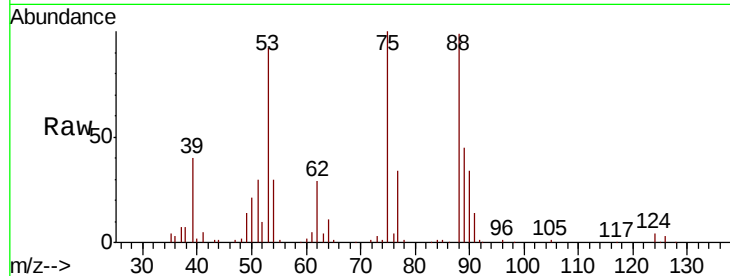
#81
trans-1,4-Dichloro-2-butene
Concen: 45.906 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	71.7	107.5
89	44.8	35.8	53.8

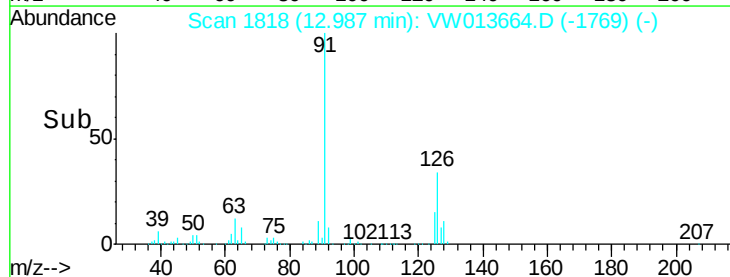
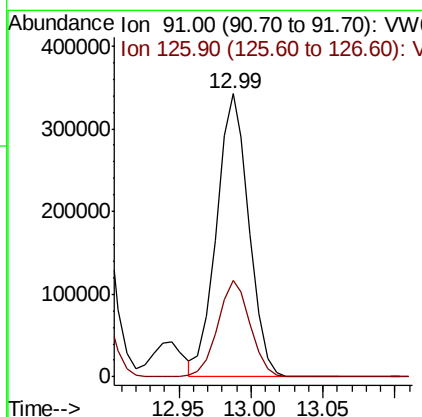
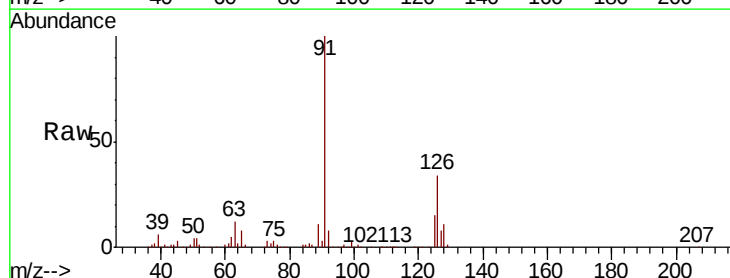
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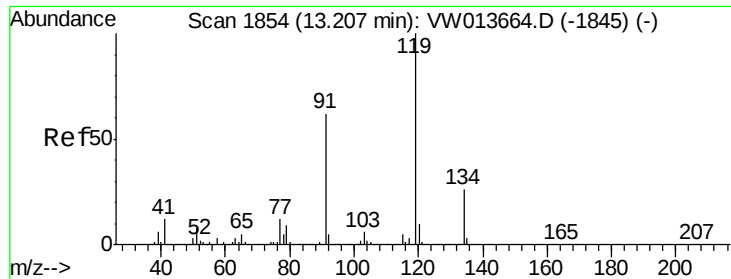
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#82
4-Chlorotoluene
Concen: 51.096 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.5





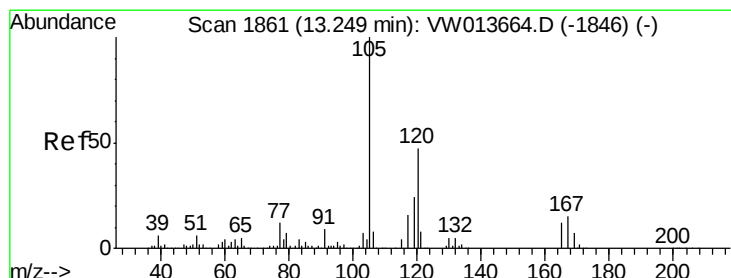
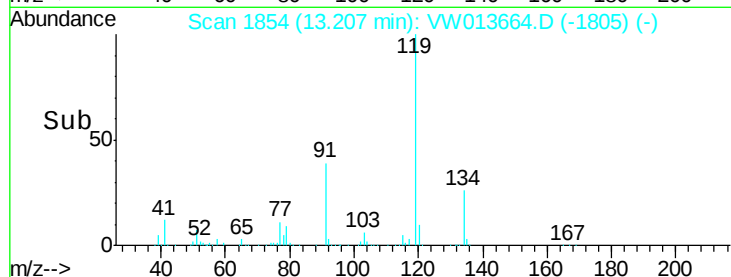
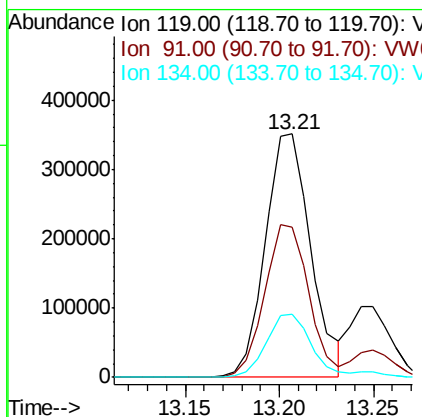
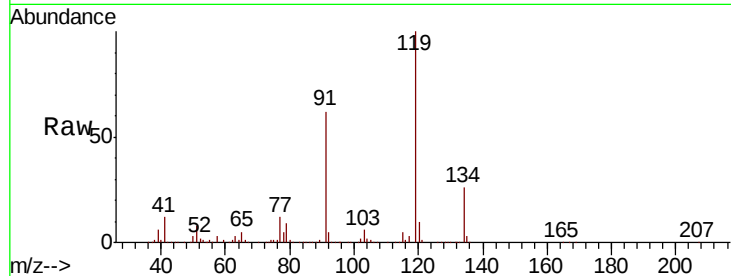
#83
tert-Butylbenzene
Concen: 51.134 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	588392		
91	60.9		30.4	91.3
134	27.2		13.6	40.8

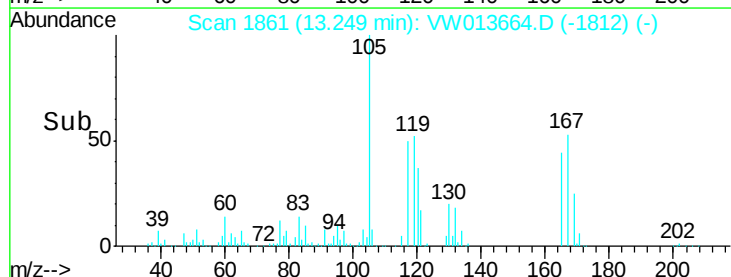
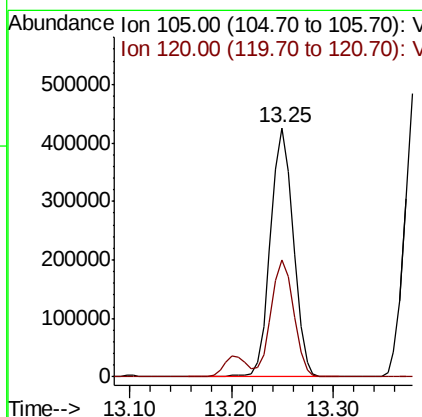
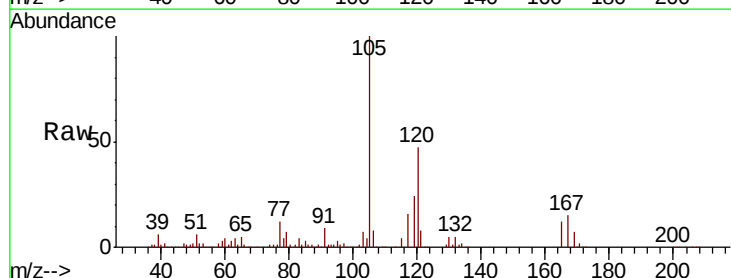
Manual Integrations
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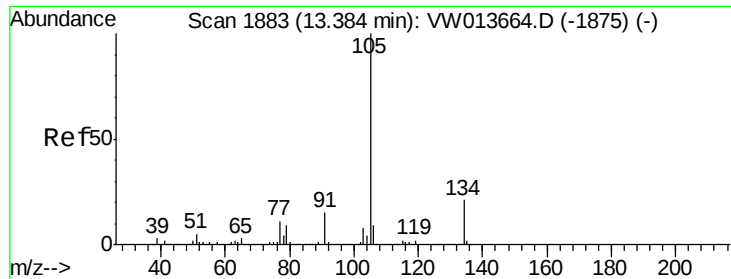
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#84
1,2,4-Trimethylbenzene
Concen: 51.352 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	658136		
120	47.0		23.5	70.5





#85

sec-Butylbenzene

Concen: 50.605 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 801550

Ion Ratio Lower Upper

105 100

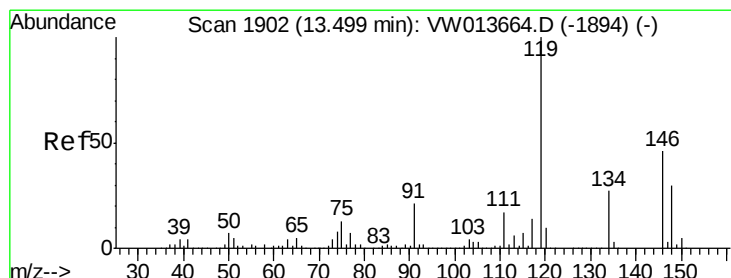
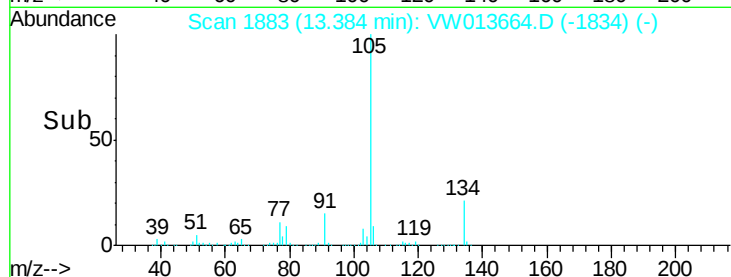
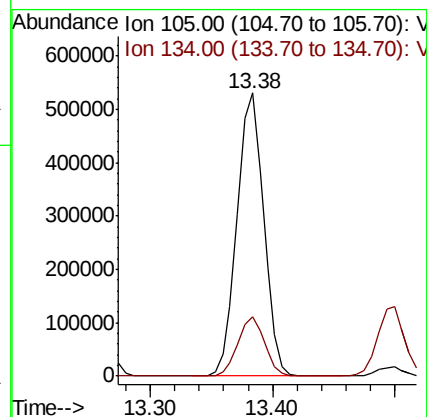
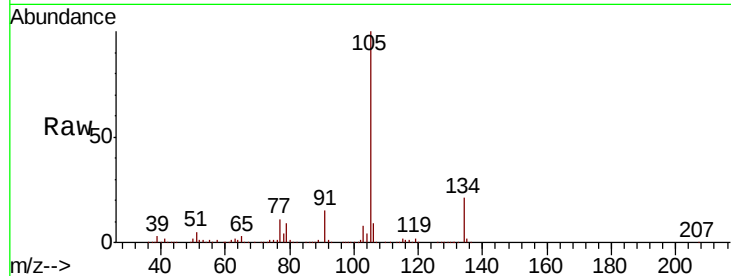
134 21.0 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.367 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

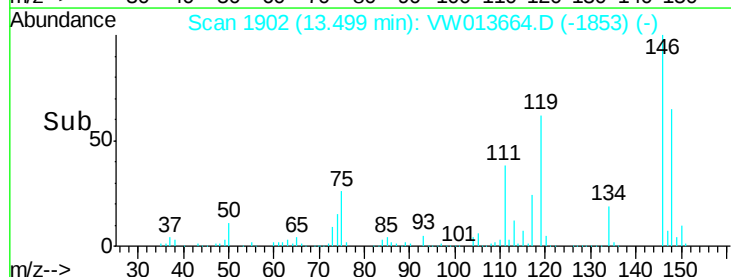
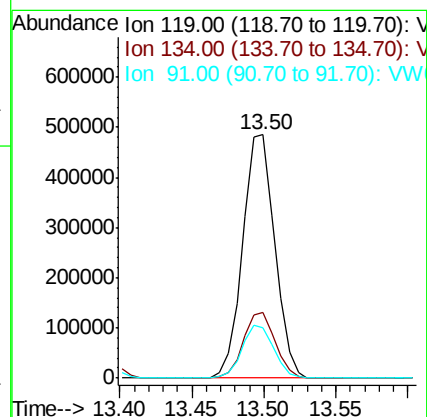
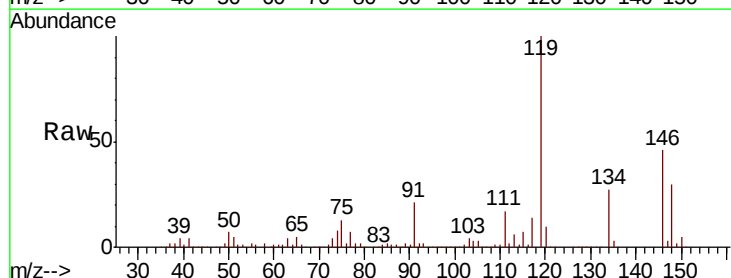
Tgt Ion:119 Resp: 749417

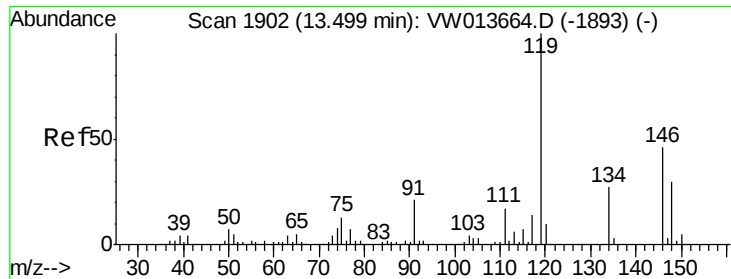
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.5 10.8 32.3





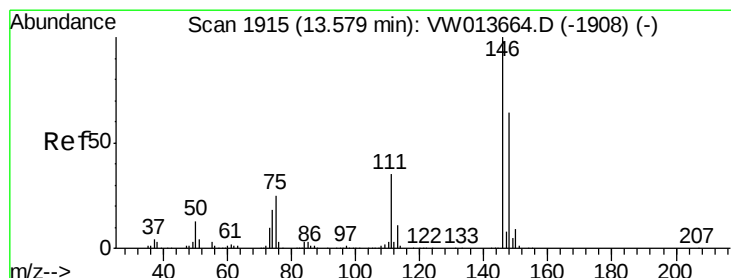
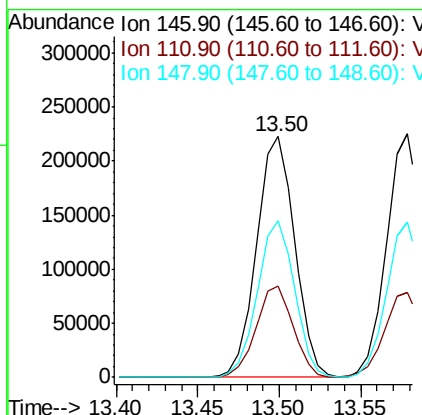
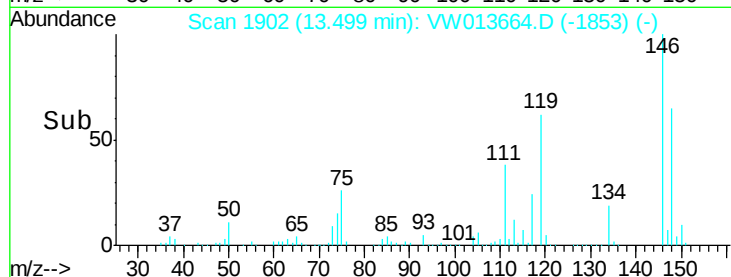
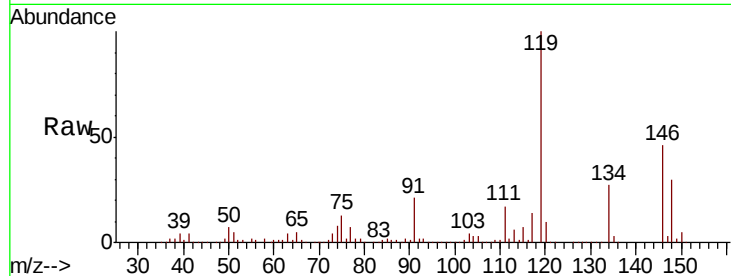
#87
 1,3-Dichlorobenzene
 Concen: 51.345 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	63.4	31.7	95.1

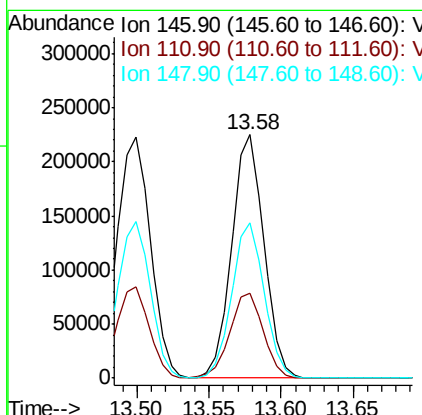
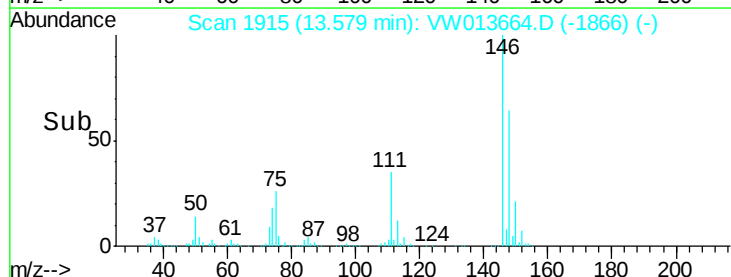
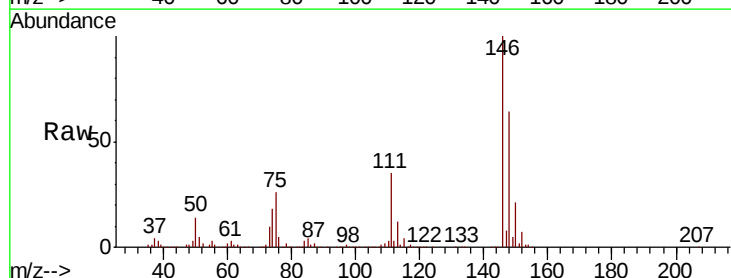
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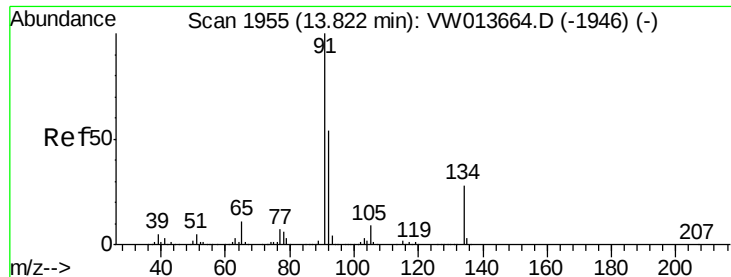
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#88
 1,4-Dichlorobenzene
 Concen: 51.172 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	64.1	32.0	96.2





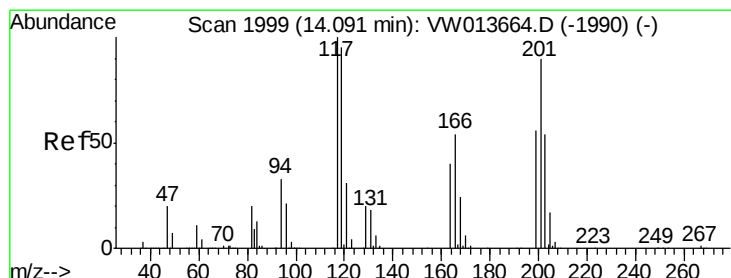
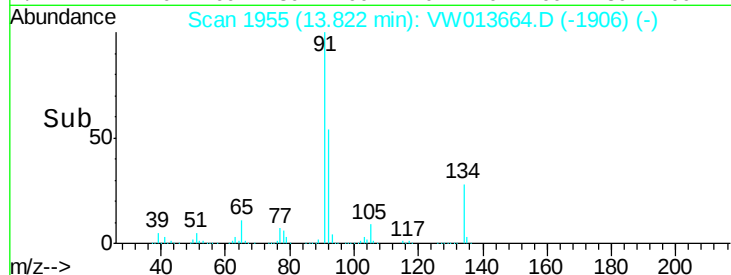
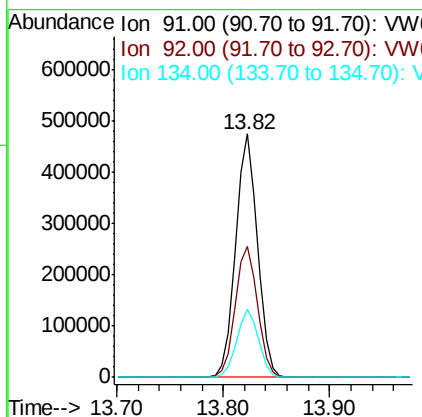
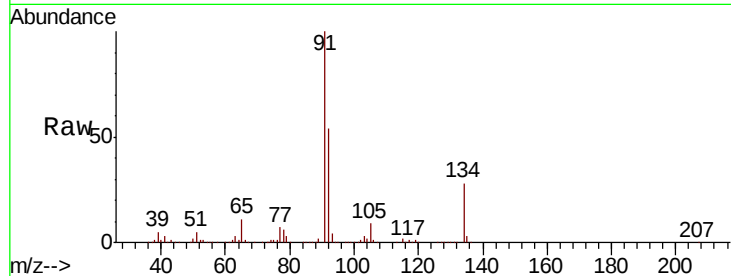
#89
n-Butylbenzene
Concen: 51.996 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	27.9	14.0	41.9

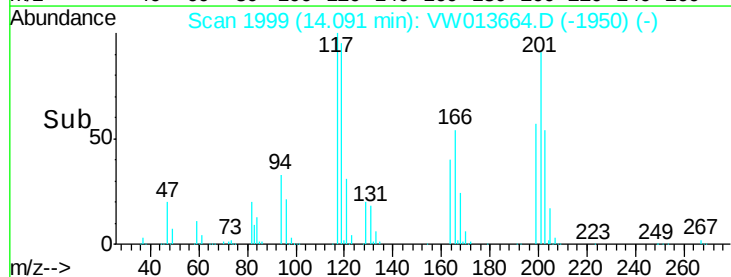
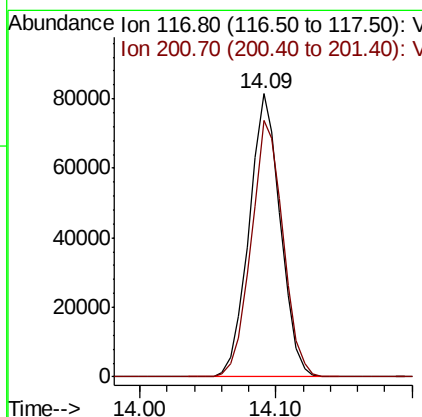
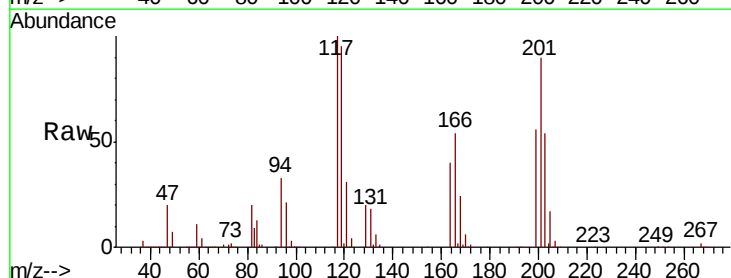
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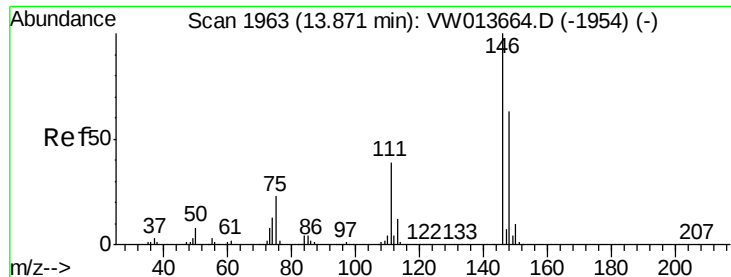
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#90
Hexachloroethane
Concen: 52.228 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.1	138.2





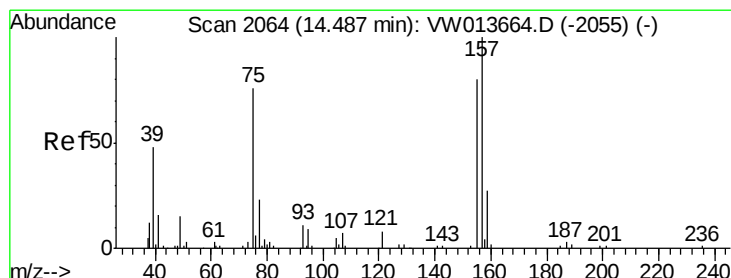
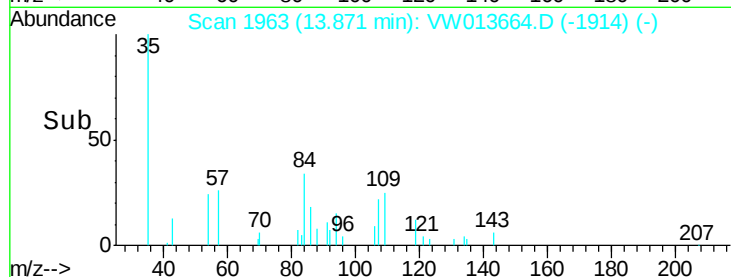
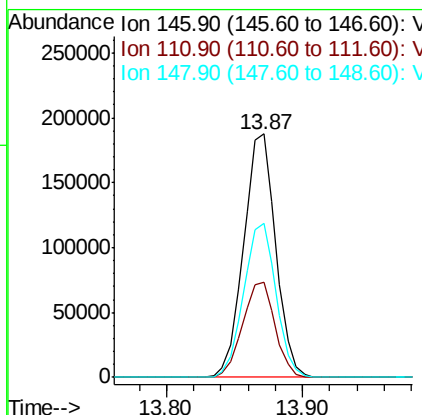
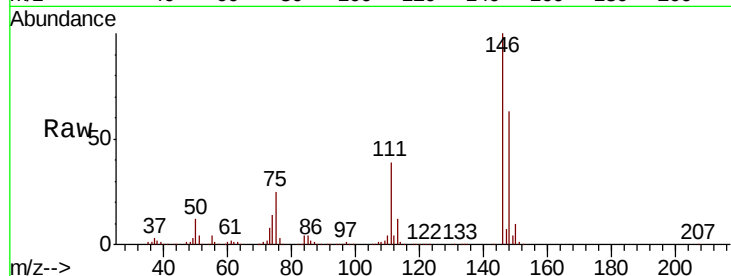
#91
1,2-Dichlorobenzene
Concen: 49.981 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	63.9	31.9	95.9

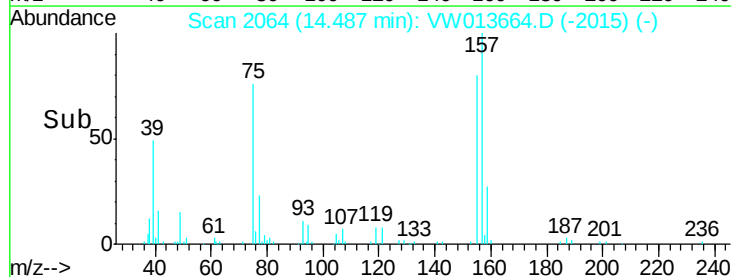
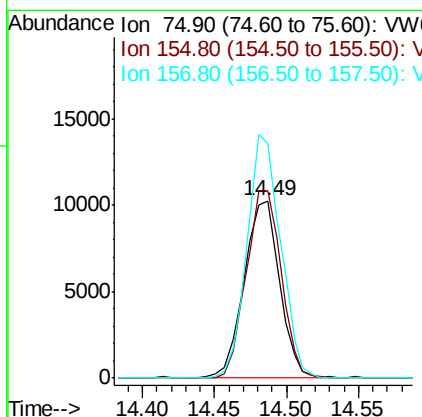
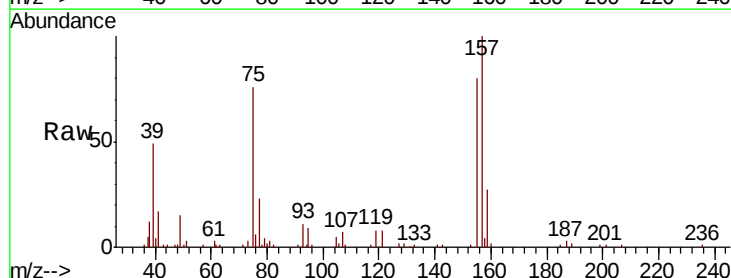
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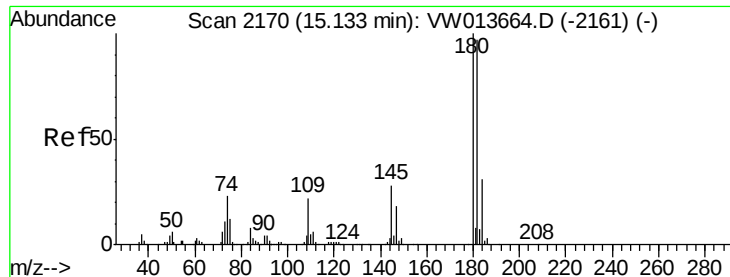
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 42.332 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	51.9	155.7
157	129.5	64.8	194.3





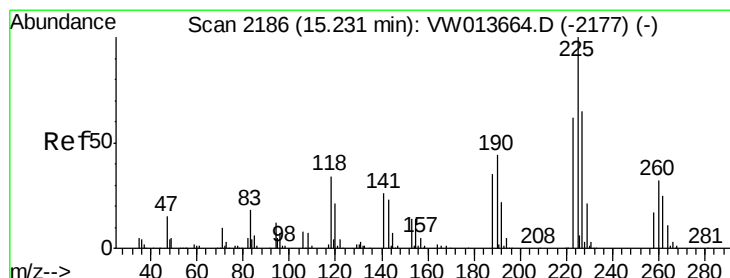
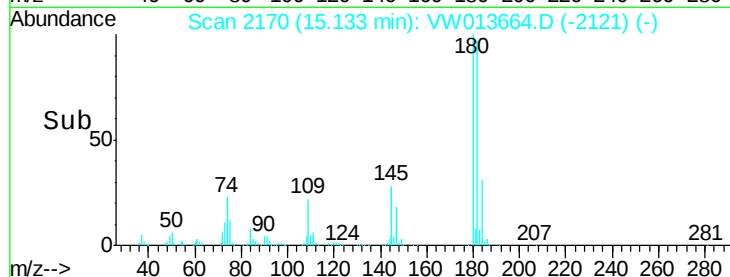
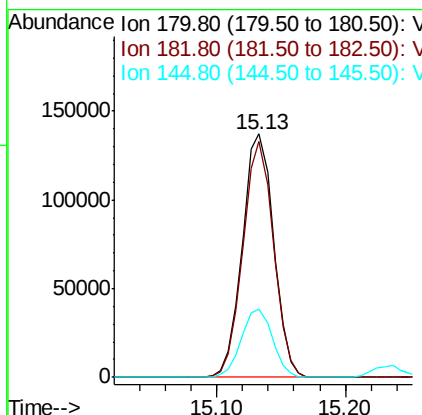
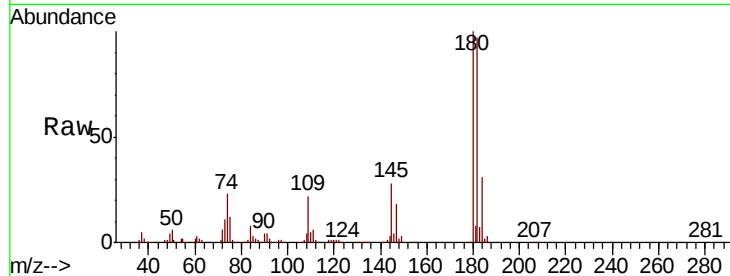
#93
 1,2,4-Trichlorobenzene
 Concen: 52.408 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	229897		
182	94.8	47.4	142.2	
145	28.2	14.1	42.3	

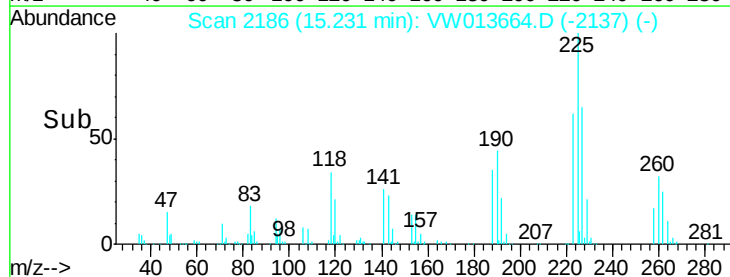
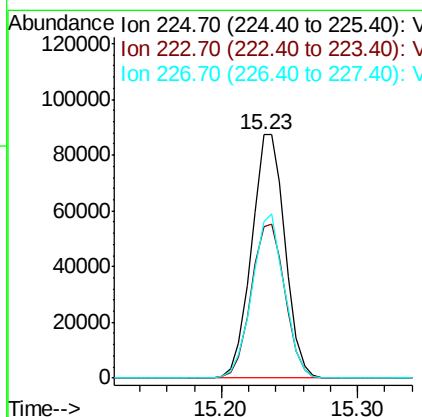
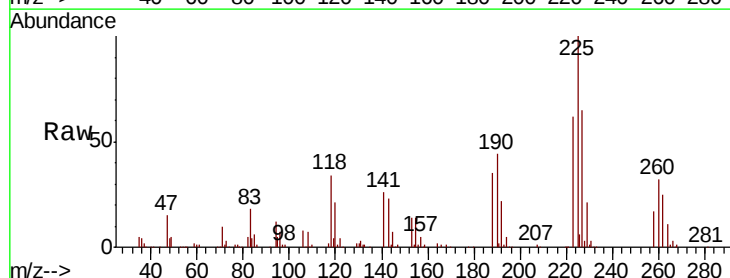
Manual Integrations
 APPROVED

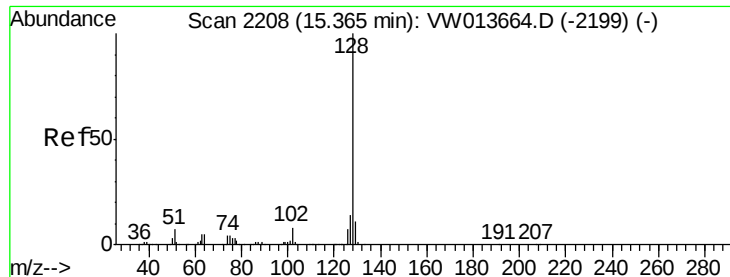
MMDadoda
 10/24/2019 1:26:47 PM



#94
 Hexachlorobutadiene
 Concen: 51.653 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150519		
223	63.9	31.9	95.9	
227	64.9	32.5	97.4	





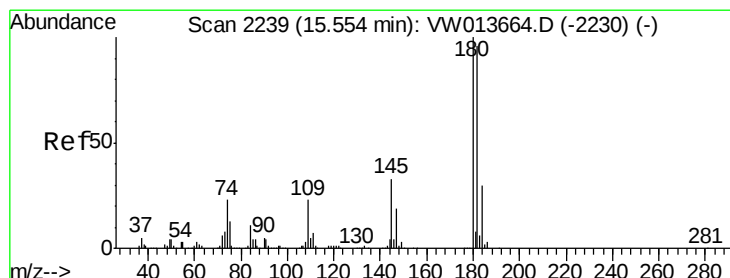
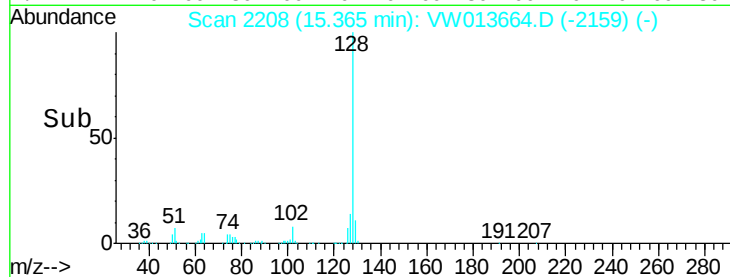
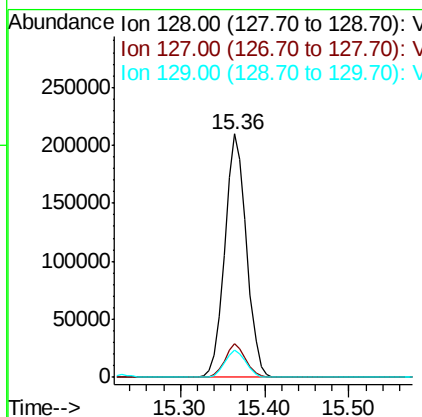
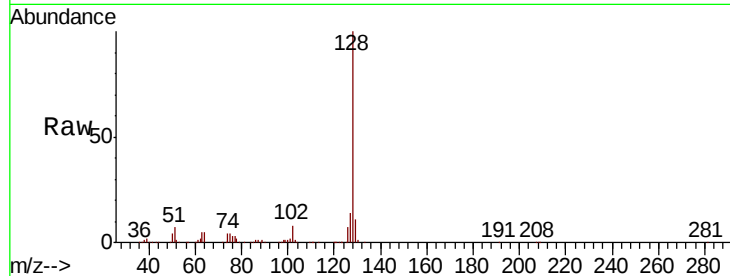
#95
Naphthalene
Concen: 49.091 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.522 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	29.9	14.9	44.9

